

The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

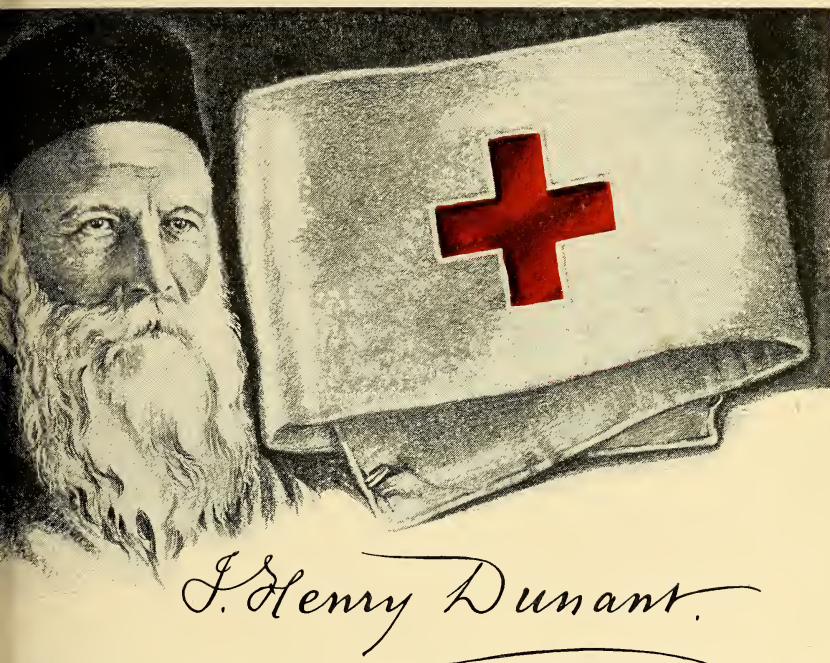
28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

3397
XLIII

MARCH 17, 1945

Annual Subscription (with
Diary) 25/- Single copies 9d.



J. Henry Dunant.

1828 - 1910

Founded the world's greatest society, mankind's finest co-operative achievement of Mercy.

In 1863, with four other citizens of Geneva, Dunant formed the Committee of five which later became the International Red Cross Committee. In 1901 he was co-recipient of the first Nobel Peace Prize.

That he should have died in poverty and obscurity is symbolic of selfless devotion to a selfless cause.

Burgoyne, Burbidges & Co., Ltd., point out that this wonderful organization, so often responsible for bridging the gap between hope and despair, is entirely supported by voluntary contributions.

Calling all Pharmacists! The need is greater than ever. Help your nearest organization.

TRULY VENERABLE

The Red Cross in war
as first used in 1864 on
its armlet worn by the
Swiss Dr. Appia, one of
the committee of five upon
whose minutes appears
his signature of Dunant
dated 1863. The portrait
shows Dunant at the
age of 80.

AN ACUTE SHORTAGE of cases and packing material together with a staff reduced to its absolute minimum has led to delay in the execution and dispatch of Parke, Davis & Co. orders.

We are doing our best in the face of these difficulties, and we ask for condonation whenever our endeavours fail to realize expectations.

Orders are being dealt with on the fairest basis we can devise ; and we urge our pharmacist friends to hesitate before sending us queries or complaints.

The prompt return of packing cases, etc., will be of the utmost assistance.



PARKE, DAVIS & CO.
50 BEAK STREET, LONDON, W.1

Inc. U.S.A. Liability Ltd.

Even in wartime . . .

We have found it possible greatly to improve the appearance of the Milton Dental Cream pack.

A completely new, modern, and up-to-the-minute tube protector, designed for us by Sir William Crawford & Partners Ltd., with a most attractive and sales-compelling appearance, is now available.

Our laboratories have also been experimenting with the flavour and consistency of the product, with the result that the new Milton Dental Cream has everything to make it a "best seller."

Ask our representative to show you the new pack, and try the product for yourself

PATA

MILTON ANTISEPTIC LTD.

CHAPEL LANE, SANDS, HIGH WYCOMBE, BUCKS.



The FLYOL SPRAYER

Apply for your share of FLYOL (in liquid and powder form), FLYOL SPRAYERS, show material, and reduced trade prices, to sole agents. Place your orders well in advance as the seasonal demand may cause great delay in deliveries.

ENGLAND & WALES
Harley Simm & Co.
20 Friar Lane, Leicester

SCOTLAND
Southern Manufacturing Co, Ltd.
187 St. Vincent St., Glasgow, C.2

NORTHERN IRELAND
R. J. Groves & Sons
52 Gt. Victoria Street, Belfast

Important!

Lower Production Costs, to greatly increased demand FLYOL, enable us to announce

Reduction of retail prices to the public as from the 1st August, 1945.

REDUCED PRICES TO THE TRADE

will be brought into force at once, to enable retailers to conform eventually with future retail price reductions. Thus, for the time being, the retailers will have the benefit of substantially increased profits together with our National advertising. FLYOL will bring you bigger sales and profits. Display FLYOL on your counter and in your window and see sales soar!



FUBEX LTD., HARDSHAW STREET, ST. HELENS, LANCs

Have all your customers a tin of **EVANS** **DERMAL** **POWDER?**



Evans Dermal Powder (E.D.P.) is an ideal antiseptic first aid dressing for minor wounds and should be in every home. It promotes rapid healing, reduces the risk of infection and is painless on application. E.D.P. can be recommended with confidence to sufferers from sore feet.

Retail price per sprinkler tin:

Standard size 2/- (inc. tax) Hospital size 6/8 (inc. tax)

M E D I C A L **EVANS** S U P P L I E S

E V A N S S O N S L E S C H E R & W E B B L T D



Personal Daintiness

Personal daintiness and complete self-confidence as well as the solution of problems which have previously caused general nervous tension amongst women, follow the choice of Rendells Products for Feminine Hygiene. This important subject is objectively discussed in Nurse Drew's booklet "Hygiene for Women"—from any chemist. If you prefer write direct to: NURSE DREW, VICTORIA HOUSE, SOUTHAMPTON ROW, LONDON, W.C.1

RENDELLS
PRODUCTS

FOR FEMININE HYGIENE

APPROVED BY DOCTORS
SOLD BY CHEMISTS




Be guided by NURSE DREW

Every woman knows the familiar face of Nurse Drew. Women's magazines, national newspapers and periodicals of every kind carry Rendells announcements regularly. Display Rendells show material prominently and share in the wide-spread demand for Rendells products.

Rendells

PRODUCTS

FOR FEMININE HYGIENE

PATA

W. J. RENDELL LTD. HARDWICK HOUSE, 161-5 ROSEBERY AVENUE, LONDON E.

ix-in-one
amin
capsule
a can
ally

recommend!

ists can recommend Vykin Multiple-Capsules with every confidence. Each capsule contains regulated and specific es of all 6 essential vitamins—A, B₁, B₂, and Nicotinic Acid. Available in two sizes: capsules) and 9/6 (60 capsules).

Vykin **MULTIPLE VITAMIN CAPSULES**
 Obtainable from your regular *Wholesaler*
E HEALTH SERVICES
 132, Baker Street, London, W.1

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The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper should not be taken as an indication that they are necessarily available for export.

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There need be no delay in dispensing prescriptions for the fine products of

British Schering

which are, with negligible exceptions, in regular supply. The demand also is regular. The 'ALBUCID' series, 'SOLGANAL B OLEOSUM', the HORMONES, along with 'MEDINAL', 'VERAMON' and 'NEUTRALON,' are being constantly prescribed.

If a representative stock were laid in, it would be a satisfaction—for the prescriber, the patient and for you.

British Schering price list will be sent on receipt of a penny stamp (paper restrictions).

BRITISH SCHERING LIMITED



185-190 High Holborn, London, W.C.1

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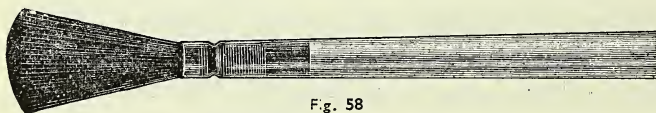


Fig. 58



Fig. 701

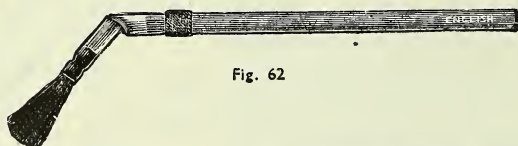


Fig. 62



Fig. 110



Fig. 6

Made and Stocked by— **M. J. FECHER, LTD.**

121 High Street, SLOUGH, BUCKS.

Phone: SLOUGH 21864

In constant demand!



What is your stock position? Is it time you ordered again? Supplies are unlimited. By ordering well in advance you will lessen the risk of being out of stock through unavoidable delivery delays, and, at the same time, enable us to arrange an equitable distribution of available supplies. VENO, THERMOGENE, PHENSIC are firmly established, quick-selling, profitable products. Order well ahead!

VENO DRUG CO. LTD.
CHESTER ROAD · MANCHESTER, 16

★ *The Manufacture of
Medicinal and Pharmaceutical
products of the finest quality—
particularly in Pill and Tablet
form—and their distribution
throughout the United Kingdom
and the World*

IS THE BUSINESS OF

ARTHUR H.

COX

& CO. LIMITED

BRIGHTON

Established over a Century ★



MANUFACTURERS OF
TABLETS
AND
PILLS
For the
Pharmaceutical
Trade

Richard Daniel & Son
Derby LTD

Established 1860

'Phone: Derby 4266-7-8. 'Grams: Danla Derby

We can now supply
"GEETABS"
sweetening tablets

Made in accordance with the provisions of the Saccharin Control Order, 1944
IN PACKETS OF 100 TABLETS—CONTROLLED RETAIL PRICE 9d. PER PACKET
DELIVERED IN CARTONS, EACH CONTAINING 2 GROSS PACKETS, 81/- PER GROSS

Terms:—Cash against pro forma invoice

EMMET DISTRIBUTING CO. LTD
40 PARK LANE, LONDON, W.1

Last season's sales broke all records!

More people are taking SevenSeaS regularly than ever before. And the demand increases every month, because so many parents feel concern for children's health and the need of extra nourishment for themselves.

Advertising in national dailies, local papers and women's magazines turns attention to SevenSeaS. There are also special campaigns in religious, medical and educational journals.

These advertisements point out that SevenSeaS is concentrated food, exceptionally rich in vitamins A and D; that it is palatable, digestible, pure and *sea-fresh*. As you know, much of the nutriment-value of cod liver oil depends on this quality of sea-freshness.

Displaying a well-advertised product greatly influences customers' minds. So show SevenSeaS prominently and make sure you don't miss sales.

Orders for bottled oil can be despatched without delay. And now that the Government has requested us to use round capsules instead of oval—a change designed to increase production—we hope to be able to deal more promptly with capsule orders. Meanwhile, wholesalers distribute them as fairly as possible.

STANDARD OIL: Vitamin A 20,000 I.U. Vitamin D 2,500 I.U. per oz. **CONCENTRATED:** Vitamin A 60,000 I.U. Vitamin D 6,000 I.U. per oz

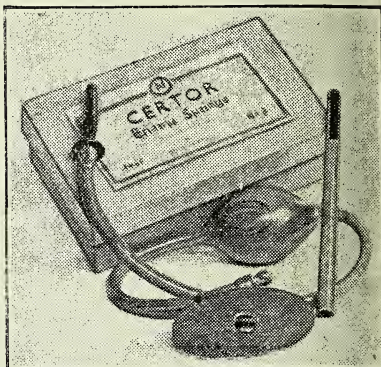
Issued by

BRITISH COD LIVER OIL PRODUCERS
(HULL) LTD. ST. ANDREW'S DOCK, HULL

Makers of

SevenSeaS

CERTOR ENEMA SYRINGE



A reliable range of enemas in four qualities is obtainable. The boxes are neatly labelled and each wrapped in transparent tissue.

No. 1. 40/- per doz

No. 2. 46/- per doz

No. 3. 54/- per doz

No. 4. 60/- per doz

RUBBER SHEETING

A good quality double-proof Sheet-
ing at 5/6 per yard. plus 33 $\frac{1}{3}$ %

Purchase Tax.

JAMES MACDONALD
DAWSON STREET, GREENGATE
SALFORD 3 : : LANC

Phone: Blackfriars 3821/2



Johnny, run up to the chemist...

Yes, Solution 'S.T. 37' repeats . . . and repeats. Its many uses, for open wounds, burns, scalds, and as a spray or gargle, ensure that every bottle is soon emptied. Because of the combined surface analgesic effect and the antiseptic action, chemists recommend it with confidence. Combining a soothing, analgesic effect with a high germicidal potency, Solution 'S.T. 37' is safe to use on delicate mucous membranes and open wounds. Its low surface tension allows it to penetrate deeply into minute tissue fissures and crevices.

Solution 'S.T. 37' is odourless, colourless and is harmless even if swallowed accidentally in full strength—an important feature in an antiseptic solution for home use.

Solution 'S.T. 37' provides a handsome profit . . . Supplied in bottles of 3, 5 and 12 fluid ounces. Sharp and Dohme, Ltd., Hoddesdon, Herts.

solution 'S.T.37'

Fair Play & Fair Profit!

PATA

Will the end of war-time conditions of short supply see a recurrence of price-cutting to undermine the standards of people and traders? We join in the hope that such conditions will not materialise. What is perhaps more important to the chemist is that we are ready to tackle them if they do.

YOU CAN RELY ON 'ASPRO'

'ASPRO' has not allowed its price maintenance organisation to rust or lose its efficiency. Throughout the war the same scrupulous control that made 'ASPRO' "red-hot" for the price-cutter and the cleanest line for the honest retailer, has been operating in the national interests. Now it is ready to go into action instantly at the first sign of a recurrence of price-cutting.

We are proud of the appreciation expressed by retailers and wholesalers alike of the service rendered them by this special branch within our organisation. Just as the public rely on 'ASPRO' for purity, safety and efficacy, so the chemist can rely on ASPRO Limited for fair play and fair profit which is protected with vigour and efficiency.

'ASPRO'

Made by ASPRO LIMITED, Slough, Bucks.

Telephone: Slough 22381

ASPRO

An Apology

To Chemists everywhere.

BENGUÉ & CO., LTD.
offer an apology for
their temporary inability
to supply the full re-
quirements of

PULMO (Bailly)

Certain ingredients are be-
used for urgent Governm-
Contracts, but the restric-
supplies are being distribu-
as equitably as possible.

PASSIORINE (Nerve Sedative)
again in full production and all or-
can be executed without delay.

Always Sells

THE LIVE LINE
WITHOUT A
DEAD SEASON-

Cuticura OINTMENT

223

- Cuticura Ointment—and equally popular Cuticura Soap, Cuticura Talcum Powder and Cuticura Shaving Stick—are in demand from January to December. How are your stocks.

BIOLOGICAL PREPARATIONS

THE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY IDENTICAL WITH THAT OF PRE-WAR PREPARATION

Because of our heavy purchases immediately before war broke out. Our stocks are still considerable and the high MBL standard will be fully maintained.

THERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

				Retail Price	CHEMISTS' PRICE					
					Per unit			Per dozen		
				(inclusive of Tax)	Net	+	Purchase Tax	Net	+	Purchase Tax
ANTIPEOL										
MENT	4 oz. tube ..	..	..	6/8½	4/2½	+	8½	50/5	+	8/5
	40 gr. " ..	..	..	3/4½	2/1½	+	4½	25/3	+	4/3
	20 gr. " ..	..	..	1/10½	1/2	+	2½	14/-	+	2/4
QUID				3/4½	2/1½	+	4½	25/3	+	4/3
OPHTHALMO-ANTIPEOL										
gr. Nozzled Tube				3/4½	2/1½	+	4½	25/3	+	4/3
RHINO-ANTIPEOL										
gr. Nozzled Tube				2/9½	1/9	+	3½	21/-	+	3/6
ENTEROFAGOS (ORAL AND INJECTABLE)										
Box of 50 ampoules				19/-	13/3½		None	159/7		None
" 10 "				4/3	3/-		None	35/8		None
" 5 "				2/6	1/9		None	21/-		None
ETENSYL										
Box of 500 tablets				39/-	24/-	+	4/-	288/-	+	48/-
Tube of 50 "				4/5½	2/8½	+	5½	32/4	+	5/3
T. JAMES' BALM										
Box of approx. 2½ oz.				2/10	1/11	+	4	22/6	+	3/9
" " 1 oz.				1/5	11	+	2	11/3	+	1/11
Tube ..				1/2	9	+	2	9/-	+	1/6

Carriage paid on all orders of 1 dozen or £1 and over.

Terms: NETT, monthly account.

MEDICO-BIOLOGICAL LABORATORIES LTD., LONDON, S.E.25

War demands
oblige us to market

CURICONES

in tablet form.

This does not affect
their efficacy in any
way whatsoever.

Both the **5/-** (Small
size)
and - **24/-** (Large
size)
are now available again.

You can confidently
recommend

CURICONES

FOR ALL RHEUMATIC AILMENTS

ORDER THROUGH YOUR
USUAL WHOLESALE

STEPHEN MATTHEWS & CO., LTD.
19-21 Farringdon Road. London, E.C.4

Urgent

*empty
cases*

PLEASE

For some time past we have
experienced considerable diffi-
culty in despatching supplies
of Andrews because of the
acute shortage of cases.

**The position is
NOW SERIOUS**

and unless customers holding
Andrews empty cases return
them immediately a hold-up in
deliveries will result. Your co-
operation is requested. Postage
or carriage will be credited.

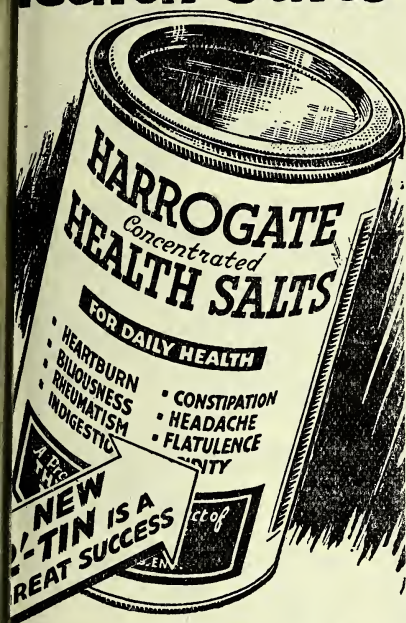
HOW TO SEND

Fold cases flat, flaps inside, tie up.
Ready addressed gummed labels ob-
tainable from our travellers, or direct
from us. Up to 15 lbs., by post (*state
cost on label*). Over 15 lbs.: by rail,
c/fwd (*or state cost on label*).

ANDREWS

SCOTT & TURNER, LTD.
T5 Andrews House Newcastle-upon-Tyne, 2

SPARKLING Harrogate Health Salts



17/- per doz.

32/- per doz.

Purchase tax 2/10)
Retail selling price
2/- (incl. tax).

(Purchase tax 5/4)
Retail selling price
3/9 (incl. tax).

Supplies are restricted but orders
are dealt with in rotation. You are
invited to apply for a quota to the

Sole Selling Agents:

KORAY LTD.

Ray House, 25 Hanover Square, London, W.1

Manufactured by

Harrogate Tablet Co. Ltd., Harrogate

*There's a good
Deal
for
YOU
in*

KORAY

Stocking KORAY is no gamble, sales
are sure and profits certain. Every
day more and more people are turning
to KORAY to soothe away pain.
Every new customer is a permanent,
satisfied, repeating customer and the
steady, increasing weight of advertising
by Press, poster, film and public
vehicle is creating turnover for KORAY
and for YOU!

Are you getting your share? It is true that
KORAY is in short supply, but in some
districts we still have incomplete distribution
and we shall welcome your enquiries. Please
write for details. It will be a pleasure to
be of service to you.

THE HOUSE OF KORAY

SALES DIVISION

25 Hanover Square, London, W.1



products listed below, though not necessarily available to new buyers, will serve as a reminder to those friends in the trade who for many years have shared in their established sales.

ADAPTOPLAST

BENZ CLENZ

CARNATION CORN CAPS

CELLANBAND BANDAGES

CERABAN BANDAGES

VARIBAN BANDAGES

DENTOSINE

EASU LINIMENT

EUPINAL

G.P.

HEALO OINTMENT

ZUDOR JACKETS

MINSTER SERIES

OZOMINT TOOTH PASTE

REGULOL

SANOID SERIES

THERMOID SERIES

Obtainable only direct from

CUXSON, GERRARD & CO. LTD. OLDBURY, NR. BIRMINGHAM

W. A. C. WINTERGREEN ANALGESIC CREAM NON-GREASY

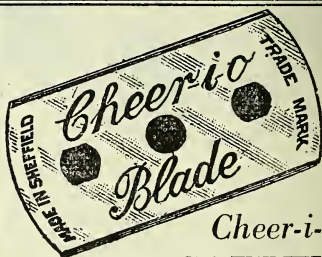
A FULL-STRENGTH mentholated product for DAY or NIGHT use.

Retail 2/6 per 2 oz. jar plus 3d. P. Tax

Write for especially profitable terms for this and other C.F. Lines.

W. A. C. WILL REFLECT CREDIT UPON
ND YOUR PHARMACY
REATE GOOD
WILL AND
GOOD PROFIT

DAMANCY & CO., LTD., HARROW MIDD.



Cheer-i-o SAFETY RAZOR BLADES

Limited supplies available only to Wholesalers, in various areas, registered under Class 9c of the Limitations of Supply Order

Sole Makers . . .

The Wafer Razor Co. Ltd.

20 Hill Street, Sheffield, 2

PHONE 51824



SCIENCE WITH PRACTICE

Established 1833*Filtering operation at our Wharf Road Works.****Galenicals*** — For more than 100 years

StaffAllenS have been making reliable galenical preparations for pharmacists. Just as in the early days the founders of this firm did real service by supplying drugs free from the then common adulterants, so now by the most up-to-date scientific control StaffAllenS maintain an irreproachable standard in their powdered drugs, liquid and solid extracts, tinctures and other galenicals. For these essential materials leading Manufacturing Chemists and Wholesale Druggists now as always rely on—

StaffAllenS

STAFFORD ALLEN & SONS, LTD., WHARF ROAD, LONDON, N 1

TAS/AL. 123.A

B

K B

Emball,
Bishop
& CO. LTD.

ESTABLISHED 1870

TELEPHONE ADVANCE 1234

TELEGRAMS: KEMBALL LONDON

CODES: A & C, 6th BENTLEY'S PRIVATE

MANUFACTURING CHEMISTS

CROWN CHEMICAL WORKS, THREE MILL LANE, BROMLEY-BY-BOW, LONDON, E.

**CITRIC ACID. TARTARIC ACID.
CREAM OF TARTAR. ROCHELLE SALTS.
CALCIUM GLUCONATE.
LITHIUM CARBONATE,
CHLORIDE AND HYDROXIDE.**

QUALITY GUARANTEED



SHAVES STEEL AND MONEY

FIXED
RETAIL PRICE

2/1 (Including
Purchase Tax)

EACH PACKED IN A
SEPARATE CARTON
WITH INSTRUCTIONS
FOR USE.

ATTRACTIVE WHOLE-
SALE TERMS ON
APPLICATION TO THE
MANUFACTURERS.

BY MAKING ONE SAFETY-RAZOR BLADE
LAST FOR HUNDREDS OF SHAVES.
THESE HONES ARE MADE IN GLASS
OF UNIQUE PROPERTIES WITH A
SPECIALLY PREPARED SURFACE AND
ARE PATENTED THROUGHOUT THE
WORLD.

WOOD BROS. GLASS CO., LTD.

(DEPT. H.I.)

ESTABLISHED 1828

BARNSELEY

TELEPHONE 3637-8-9

ENGLAND

TELEGRAMS: "WOODS. BARNSELEY"

**FORBES'
MALTED**

SLIPPERY ELM FOOD



THE MOST EASILY DIGESTED
AND NOURISHING FOOD FOR

INFANTS & INVALIDS

$\frac{1}{4}$ lb. size 10 $\frac{1}{2}$ ^D - 8/- $\frac{1}{2}$ lb. size 1/3 - - 13/6 1 lb. size 2/3 - - 20/-
PER DOZ. PER DOZ. PER DOZ.

Prepared from the finest quality ingredients only by

BROOK, PARKER & CO. LTD., BRADFORD, ENG.

ALSO ALL GALENICALS, CHEMICALS, DRUGS, PACKED
GOODS, PATENT MEDICINES, PHARMACEUTICAL TABLETS,
PILLS, SURGICAL DRESSINGS, DRUGGISTS' SUNDRIES, ETC.





MOTHAKS were introduced some sixteen years ago. They were an immediate success and ever since have been generally acknowledged to be not only the leading moth preventive, but also singularly attractive in get-up, economical and convenient in use, and really doing everything aimed for them. When you sell MOTHAKS you know your customer will be pleased and come again for more.

Made by
THOMPSON & CAPPER WHOLESALE LTD., LIVERPOOL 9

Retail ...

6½^p per bag of 8 Mothaks

NO PURCHASE TAX



SUPPLIES
obtainable
DEMAND
assured

WIDESPREAD ADVERTISING
IN
NATIONAL NEWSPAPERS
PROVINCIAL NEWSPAPERS
MAGAZINES POSTERS
FILMS IN CINEMAS

Valopto is being backed up by an advertising campaign that will increase *your* Eye Lotion Sales — especially if you link up with the campaign by displaying Valopto prominently.

VALOPTO

The Modern Eye Lotion

DAE HEALTH LABORATORIES LTD., 25/27 BERNERS STREET, LONDON W.1.



POTTER'S *potterings*



Distilled with great care from raw materials of
British Empire Origin.

Small stocks of some Terpeneless Oils available.

—ISOLATES—ESSENCES—OTTOS—
AROMATIC CHEMICALS—RESINS
—GUMS—BALSAMS—ETC.

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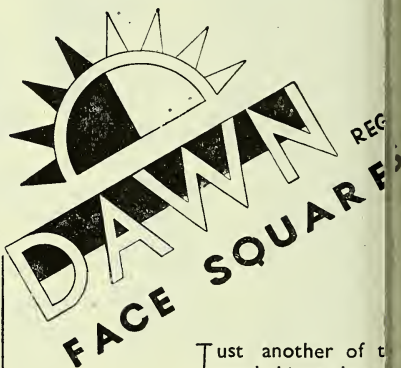
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NEWS OF THE WEEK

War Damage Information.—A second edition of "Practice Notes" (concise notes on certain matters arising out of the administration of Part I of the War Damage Act, 1943) has been issued by the War Damage Commission. (H.M. Stationery Office, London, W.C.2, price ninepence.)

Standards for Mineral Waters.—The Minister of Food has made an Order amending the Soft Drinks Order, 1943, so as to increase slightly the sugar content and reduce correspondingly the saccharin content of standard unconcentrated soft drinks. The change will have the effect of improving the quality. The amendment takes effect on April 1, but stocks of soft drinks complying with the former standard may be sold by manufacturers up to May 1 and by other persons up to July 1.

Prepacked Foods Order Amended.—The Minister of Food has made an Order amending the Manufactured and Prepacked Foods (Control) Order, 1942, and prescribing an appointed day thereunder. The Order provides that a change in label-

ling made solely in order to comply with the Labelling of Food (No. 2) Order, 1944, or any other change in labelling made with the Minister of Food's approval, shall not oblige a manufacturer or prepacker to hold a licence which would not otherwise be necessary.

Control of Rubber.—The Minister of Supply has made the Control of Rubber (No. 24) Order, 1945 (S. R. & O., 1945, No. 194, price one penny), consolidating the provisions of four previous Orders regulating acquisition, disposal and consumption of natural and synthetic rubber, latex, gutta percha, and balata. The principal amendments are that prices of liquid latex are no longer statutorily controlled, and the definition excludes "compounded or processed latex"; trimmings, strippings and dust of rubber, etc., are decontrolled; and thickol is omitted from the definition of "synthetic rubber." To cover current costs, revised liquid latex prices for sales from Ministry of Supply Rubber Control stocks came into effect on March 1.

Amendments to Registers.—The Board of Trade has issued lists of amendments to the home trade and toilet preparations registers. Copies are obtainable from H.M. Stationery Office, London, W.C.2.

Long-service Awards.—Sixty-one employees of Timothy Whites & Taylors, Ltd., were presented with decorated scrolls and cheques for long service at a dinner to employees held in Leeds recently. Members with the longest service were Messrs. H. England and T. J. B. Todd (fifty-seven years each).

Society's President at Plymouth.—The president of the Pharmaceutical Society (Mr. F. G. Wells) visited Plymouth on March 2, when he addressed a crowded meeting at the school of pharmacy, Plymouth Technical College, on "The Position of the Pharmacist in the New Health Service."

Chemists' Defence Association.—At a meeting of the directors of the C.D.A. on February 26, a claim for part of the cost of a hair treatment, following the supply of hair dye of the wrong colour, was settled for £1 1s.; a claim arising out of the supply of liq. ferri perchlor. fort., incorrectly labelled, was settled for £20.

Small Retailers' Rally.—A rally of independent retail traders is to be held at the Conway Hall, Red Lion Square, Holborn, London, W.C.1., at 7 p.m. on March 22. It will be presided over by the mayor of Holborn (Alderman Wilfred E. Mullen, J.P.), and the principal speaker will be Captain L. D. Gammans, M.P. (chairman, Council of Retail Distributors).

N. I. Pharmacy Bill Discussions.—A special meeting of the Committee of the Ulster Chemists' Association was held recently to discuss the provisions of the Medicines, Pharmacy and Poisons Bill, Mr. A. Johnston (president) in the chair. Mr. Noel Patteron, Ph.C. (pharmacy inspector), elucidated the clauses, and a frank discussion ensued. It was decided to call a general meeting of the profession.

Pharmacy Board Discussion at Bangor.—The need for a Pharmacy Board to protect dispensing chemists under the proposed National Health Service was stressed by Mr. F. C. Wilson (a member of Council of the Pharmaceutical Society) in an address to Bangor pharmacists on February 21. Chain stores and co-operative societies, he stated, opposed the proposal that such a Board should control the number and

location of pharmaceutical units in the scheme.

Post-war Export Priorities.—Speaking in Birmingham recently, Mr. L. S. A. (Secretary for India) said that import and export policy in peace must be governed, as in war, by careful selection and a well-thought-out order of priorities. It would be one of the Government's duties to conclude treaties to help exporters. Abandonment or drastic reduction of the "most-favoured-nation" clause in international trade as a whole should be secured, and effective priority given to purchases from, as well as exports to, the sterling area.

Ulster Associates' Section.—The monthly meeting of the Associates' Section of the Ulster Chemists' Association was held in Belfast on February 22, Mr. W. H. (chairman) presiding. The secretary reported that arrangements had been made for a lecture to pharmaceutical employees by Mr. Victor Ahlheim, hypnotologist, on March 15. Discussion took place regarding further lectures of a similar nature. Several names of pharmaceutical employees serving with the Forces were submitted and it was decided to notify each of them of the associateship was available without payment of subscription.

Sugar for Pharmaceutical Purposes.—The following changes in the basis of allocation of sugar for pharmaceutical purposes have been notified by the National Pharmaceutical Union to its members. They have been agreed to by the Minister of Food on the recommendation of the Ministry of Health and Director of Medical Supplies. Allocations of sugar for medicated lozenges, etc., containing a therapeutic dose, and sold free of payment, are now at 70 per cent. of basic allocation. Chemists who have an allocation of sugar for the manufacture of B.P., B.P.C. or N.W.F. preparations have been granted a 25 per cent. increase in their sugar allocation for the twelve weeks' period from January 7.

Wider Distribution of Penicillin.—Sir Graham-Little asked the Minister of Health in the House of Commons on March 16 if he would release penicillin for use in civilian medical practice, as distinguished from hospital service, which was not available to the whole community. MR. WILLIAMS: Yes, Sir. Arrangements are now being made for a wider distribution of penicillin from upwards of 200 large hospitals throughout the country, which will be authorised to issue penicillin on request.

er hospitals. It will in most cases be necessary for a patient requiring systematic treatment to be removed to hospital, but distributing hospital will be authorised to use penicillin to private practitioners for the treatment at home or in a nursing home of suitable cases which it is not desirable to transfer to hospital.

Chemists at "Plan" Exhibition.—A party of three dozen members of the Nottingham Branch of the Pharmaceutical Society, wives, staffs and friends, visited the "Plan for Bath" exhibition at the Art Gallery, Bath, on March 7. City officials outlined the details of the suggestions put forward by the Planning Committee, consisting of Sir Patrick Abercrombie, John Owens (city engineer), and Mr. Tony Mealand (town-planning officer). Members appeared specially interested in the plan would affect their own business, and it was noted that the proposals did ultimately involve the transfer of all Bath pharmacies to new premises.

Combined Ops" Against Pests.—The Nottingham Branch in a series of lectures arranged under the auspices of the Industrial Pest Control Association was held in London recently, when the subject was "Combined Operations." The speaker (Dr. A. B. P. E.) said he meant by this the simultaneous use of more than one method, physical or chemical, to eliminate infestations of insects or rodents. He suggested greater use of stimulants or irritants, preferably incorporated in, and applied to, existing or new pest-control products, to increase the possibility of contact between pest and the lethal product, or, where contact was assured, the picking-up of the lethal dose by the pests. He referred to synergists and synergists at present employed, and suggested that the search for products with these properties might complement the search for products with insecticidal activity. Discussion followed.

Approval for Insecticides.—The Ministry of Agriculture and Fisheries and the Department of Agriculture for Scotland invite applications for official approval of proprietary miscible petroleum-oil winter-washes, stock-emulsion petroleum-oil winter-washes, stock-emulsion petroleum-oil summer washes for orchard use, stock-emulsion petroleum-oil summer washes for greenhouse use, nicotine, nicotine sulphates, nicotine dusts, nicotine liquid preparations and nicotine preparations to be used as fumigants. Further applications are invited for the official approval of proprietary lead

arsenate powders and pastes, lime sulphurs, tar-oil winter-washes, organo-mercury dry seed-dressings, copper sulphates, copper fungicides, derris and lonchocarpus insecticides, and wetters and spreaders. Requests for the appropriate application forms should be sent to the Secretary of the Advisory Committee, Plant Pathology Laboratory, Milton Road, Harpenden, Herts.

Whither a Resolution?—Members of the Nottingham Branch of the Pharmaceutical Society, who met on February 28 to hear Mr. J. F. McNeal (vice-president of the Society) discuss the question of "Whither Pharmacy?" seemed more anxious to discover what had become of a resolution by Mr. Granville Shaw (a Nottingham Branch member) passed at the Branch Representatives' meeting in December 1944. They had, according to one member who was present, "heard the speaker's question answered by word of mouth once, and more than once read discussions on the question in the pharmaceutical Press." Answers to this and other questions put forward verbally and in writing by Messrs. J. H. Tomlinson, Jackson, Newbold, Sparshott, Winkle, Granville Shaw and Mrs. Wright provided quite an ordeal for Mr. McNeal. A vote of thanks was proposed by Mr. A. F. Bates and seconded by Mr. H. T. A. Gretton.

Warble Fly Treatment.—The Ministry of Agriculture and Fisheries announces that ample supplies of powder for treating cattle infested with the maggot of the warble fly can be obtained by farmers. The powder is being sold as "warble fly powder," or under some other similar name, and contains a powdered root similar to derris. It is important that stockowners should make sure, when purchasing such dressings, that they do contain powdered derris root or other powder of a similar kind (e.g. lonchocarpus). The season during which the dressing of maggot-infested cattle should be carried out is mid-March to the end of June. To obtain the best results, the dressings should be applied at intervals of not more than thirty-two days to all cattle which show signs of being infested with warble-fly maggots, and the treatment should be continued so long as any maggots appear under the skin on the animals' backs. Dressings containing nicotine sulphate may be highly poisonous to some animals, and the Ministry gives a warning of the risks involved in their use.

East Antrim Pharmacists' Association.—At the annual meeting of the East Antrim Pharmacists' Association, held on February

22, the *President* (Mr. J. W. Sandford), *Vice-president* (Mr. W. J. Henning), *Treasurer* (Mr. H. McKay), and *Secretary* (Mr. E. A. Poots, 84 Main Street, Larne) were re-elected. Messrs. A. E. Johnston (president, Ulster Chemists' Association) and McClenahan (secretary) spoke appreciatively of the work and worth of the local Association. Messrs. Forrest (president, North Down Chemists' Association) and R. Hall (secretary) conveyed good wishes from their Association. The treasurer's statement showed a satisfactory credit balance. It was agreed to send a subscription to the Mayor of Bangor's Fund for the relief of distress occasioned by a recent railway disaster. The secretary, in his report, said that during the year pharmacy had been threatened by an "extremely potent V missile," the veterinary "furore" which reached its peak in midsummer. The energetic efforts of the U.C.A. on that occasion, he said, were worthy of commendation. Numerous price changes had been agreed and executed.

Eire Students' Activities.—At the February meeting of the Pharmaceutical Students' Representative Council, held in Dublin, Mr.

Charles Ward (chairman) presiding, it was reported that a conference had been held between representatives of the students and the honorary officers of the Pharmaceutical Society of Ireland. The students' representatives had brought forward several matters affecting the interests of the students, and the Society's officers promised careful and sympathetic consideration. The proposed rules for the newly formed Limerick students' body were unanimously approved, the chairman wishing the Limerick students every success. —The Limerick Students' Association was formed recently as a subsidiary of the Pharmaceutical Students' Representative Council in Dublin. Officers elected were: *Chairman*, Mr. Frank Hanley; *Vice-chairman*, Mr. Reginald Power; *Secretary*, Mr. Maurice Toomey; *Treasurer*, Mr. Nina Grey; with Misses Marie Costello and Maureen Lynch and Mr. P. S. Grey on the *Committee*. It is proposed to form other local students' associations in Cork, Waterford, Galway, etc., and interested students are invited to communicate with Mr. Deery (correspondence secretary, P.S.R. 67 Lower Mount Street, Dublin).

LEGAL REPORTS

Spirit Obtained by Forgery.—At Glasgow sheriff court recently, Daniel Harron and Peter Tweedie were sentenced to four and eight months' imprisonment respectively on charges of attempting to obtain methylated spirit by forged documents. On January 2, Tweedie entered a chemist's shop in Buchanan Street, Glasgow, and obtained 8 oz. methylated spirit by presenting a prescription purporting to be signed by a Glasgow doctor. He was arrested during a return visit to the pharmacy, and stated that Harron was the man from whom he had received the prescription.

Alleged Spurious Label.—Perfumes said to have been sold under spurious labels were the subject of a prosecution by the Customs and Excise at Marylebone, London, police court on March 6, when Norman File, Berrylands, Raynes Park, London, S.W.22, was summoned for making use of invoices headed "Florogen, Mitcham, Surrey," and "Hanetta, Ltd.," which falsely purported to relate to the sale of perfumes by firms who were accountable for purchase tax to the Crown. The case for the prosecution was that purchase tax amounting

to about £150 had not reached the Crown. Altogether forty-eight invoices were involved. A complaint reached the authorities that certain perfumes with alleged spurious labels were being sold, under the names mentioned, by an unauthorised person who styled himself an agent for the companies. Defendant was challenged and admitted he had sold the perfumes, but said he had obtained them already labelled from a man named Rostron. His action was described as "a fraud on the purchaser, the public and the Inland Revenue." For the defence it was urged that defendant had succumbed to the blandishments of Rostron, who had suggested he should sell the perfumes on commission. All defendant got out of the transactions was £38. A fine of £200, with £20 costs, was imposed.

Unlawful Possession of Saccharin. Penalties totalling £1,528 were imposed on Cork on February 27 upon John C. Kee Douglas Road, and fines totalling £247 upon George F. Hinchy, Ph.C., Parliament Street for unlawful possession of saccharin. A stay of execution was granted to each to enable appeals for mitigation of the penalties to be made.

TOPICAL REFLECTIONS

Efficient Wholesalers

On p. 260 of your last week's issue, Mr. P. Walker, writing from Wiltshire, references the tribute lately paid to wholesalers (p. 182) by a London pharmacist, R. G. Pickles. This tribute is well deserved. Under the stress of war, the efficiency of our wholesale houses has been maintained with surprisingly little variation. The maintenance of a high standard of wholesale trade is not so easy as retailers may be tempted to suppose. Because the manipulation of material is on a larger scale than in retail trade, it does not follow that less attention to detail is required. On the contrary, the very fact that retailers expect warranties when buying necessitates meticulous attention to all the processes that belong to the preparation of present-day medicaments in the manufacturing laboratory. These processes involve difficulties, and sometimes risks, unknown or seldom known to retailers. Fresh Madonna leaves, for example, are handled with due respect when they arrive in what may be called harvest quantities. Further, wholesalers have shown a willingness to give practical hints with their customers that speaks well for the traditions of British wholesale commerce. The contributions of their scientific staffs to the Science Section of the British Pharmaceutical Conference are a case in point. Much may be gathered from a diligent reading of these monographs, as well as from the reports of the valuable meetings read from time to time at evening meetings in Scotland.

Royalty and Perfumes

The Prime Minister's gift of perfumes to an Eastern potentate (p. 251) introduces a subject that might have appealed, but apparently did not, to Isaac Disraeli for treatment in his "Curiosities of Literature." The "apparently" means that the index of this old favourite leaves something to be desired.) The appreciation of perfumes—whether, at any rate, of some perfumes—is not confined to royalty, nor indeed to human beings, for it is noticeable among dogs. Probably the fact that odoriferous substances were usually found in small quantities accounts for their high prices and for their use on ceremonial occasions throughout recorded history. Biblical references to this subject are dealt with at sufficient length in Wootton's "Chronicles of Pharmacy," Vol. I, pp. 50 *et seq.* Coronations and royal funerals were not the only excuses

for the use of perfumes and perfumed substances. There is the leading case of the Queen of Hungary's water, the documentary evidence on which dates (if we exclude the possibility of forgery) from 1235. Her Majesty received the receipt in her seventy-second year, so the story runs, from an old hermit whom she never saw either before or afterwards: rejuvenation was so marked that she was asked in marriage by the King of Poland, and only her religious scruples prevented acceptance of the offer. Your readers hardly need to be reminded that the water was a spirit of rosemary, prepared with brandy previously distilled four times, and subjected to a final distillation after standing with the tops and flowers of the plant for fifty hours. A modern representative of this famous water still appears in "Pharmaceutical Formulas."

Among the Tudors

The lavish use of aromatic substances at royal funerals may be seen in a document relating to the death of Henry VIII (*C. & D.*, 1931. I. 795). The original manuscript fills the greater part of a sheet of paper measuring 9½ inches by 5½ inches. Seven lots of these "spices" were "dd [i.e., delivered] to the syrgons gross powderyd by thyr byll," and ten lots were supplied "in bagges severally to put into the cofyn of leade with the corse at the commandement of my lord great master." The items included cloves, oil of "balme," nigella, coriander, "bengemen," aloes, "mirre," and "muske"; the bill amounted to £26 12s. 2d. Similar records of the King's household under the care of the Public Record Office contain the names and prices of several articles now classed as perfumery; among them are a "potell silver flagon with rose water," a "box with fyne perfumes for the Admyrall of France," perfumes "for Duke Philyp's chamber," and perfumes "where the King dynyd." Henry's daughter, Queen Elizabeth, made considerable use of perfumes, and, as is well known, wore perfumed gloves. It is on record that at a cost of 2s. she presented "sweet scent" for use at a christening. As the mention of a silver flagon suggests, the containers were selected with an eye to the nature of contents, and were sometimes works of art. It may be remembered that an exhibition of perfumery flasks and similar objects, including valuable antiques, was arranged in London by Coty (England), Ltd., about ten years ago.

Xrayser

COMPANY NEWS

STANDARD CHEMISTS, LTD. (P.C.).—Registered in Dublin. Capital £2,000. Pharmaceutical chemists, druggists, etc. Directors not named.

H. HISLOP, LTD. (P.C.).—Capital £1,000. Wholesale or retail chemists, etc. Harry Hislop, M.P.S., director. R.O.: 290 North Road, Cardiff.

W. COUTTS-EVANS, LTD. (P.C.).—Capital £3,000. To acquire the business of a chemist and optician carried on by W. Coutts-Evans, 95 Broadway, West Ealing.

B.D.C. LABORATORIES, LTD. (P.C.).—Capital £1,000. Manufacturers of sterilising preparations for dental plates, etc. Sydney C. Richards, director. R.O.: 283 Oxford Street, London, W.1.

SOUTERS (EDINBURGH), LTD. (P.C.).—Capital £5,000. Drysalters, chemists and produce merchants, etc. James H., John P., H. R., and A. H. Souter, and Mrs. J. H. Jack, directors. R.O.: 198 Canon-gate, Edinburgh.

THE BRITISH DRUG HOUSES, LTD.—Mr. Alan W. Hill has resigned from the board of directors, with effect from March 10.

CLARE & HUNT, Ltd., chemists, Scarborough.—Mr. M. Scott Flower, M.P.S., has retired from the board; the present directors are Messrs. Victor H. Iddon, M.P.S., Alfred Brown, M.P.S., and James M. Crichton, M.P.S.

PHARMACEUTICAL PRODUCTS, LTD.—Directors' report for the year ended March 31, 1944, shows revenue from interest, dividends, etc., at £11,624; directors' fees, £500; sundry expenses, £70; taxation, £5,527. Preference dividends absorb £4,061; forward, £18,340, against £16,875.

SAVORY & MOORE, LTD.—Directors' report for the year ended March 31, 1944, shows that trading profit, including interest, dividends on investments and miscellaneous receipts, amounted to £80,538 (£85,449). After deducting charges, net profit remains at £38,124 (£42,554). Provision for taxation is £17,399 (£14,710); preference dividends, £10,065 (£11,743); general reserve, £5,000 (£5,500); carried forward, £20,898 (£15,237).

DELETED FROM REGISTER.—"The London Gazette," February 20, notifies that Chemists' Proprietaries, Ltd., has been struck off the Register of Companies.

TRADE MARKS

(From "The Trade Marks Journal," February 21)

- "PURATIZED"; for germicidal, fungicidal, bacteriostatic and fungistatic preparations insecticides (5). By Puratized, Inc. Stevens, Langner, Parry & Rollinson Quality Court, Chancery Lane, London, W.C.2. 624,103.
- "ANTIPHLOGISTINE"; for pharmaceutical preparations and substances for treating inflammatory conditions (5). By Denver Chemical Manufacturing Co., Mewburn, Ellis & Co., 70 and 72 Chancery Lane, London, W.C.2. B631,070 (Associated).
- "DYNONE"; for insecticides and acaricides By Pest Control, Ltd., Harston, Cambridgeshire. 631,208.
- "CARTAZOL"; for pharmaceutical preparations of pentamethylenetetrazol for use as leptics and stimulants (5). By Savoy Moore, Ltd., 61 Welbeck Street, London, W.1. 631,295.
- "SLAYN"; for insecticides (5). By Pr Industries, Ltd., Africa House, Kings London, W.C.2. B631,687.
- "MYRIATIN"; "CYCLODORM"; "ARGAT"; "ANAMIDON"; "DIURGAM"; "THEOPHOBAL"; and "DYSTREN"; for pharmaceutical preparations and substances; "FLOCAIN"; for analgesic preparations procain and caffeine; "PRONTAMIDE"; pharmaceutical preparations of sulphamide compounds (5). By Bayer Product Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 632,291-99.
- "CLOSLUL"; for pharmaceutical preparations and substances (5). By J. M. Loveridge Ltd., 439 Millbrook Road, Southampton. 632,401.
- "ASPEDE"; for all goods (5). By The Duff Perfumery Co., Ltd., Goldstone Laboratory, Hove Park Villas, Hove, Sussex. 632,461.
- "DISCRO"; for machines for sealing and closing bottles and like containers (7). By Crown Cork Co., Ltd., Apexes Works, Southall, Middlesex. 632,221.
- "IMPERVEX C.S.P." and "IMPERVEX D" exclusive use of letters "C.S.P." and "D" claimed; for articles of india-rubber gutta percha (17). By Impervia, Ltd., Grosvenor Gardens, London, S.W.1. 631,321 (both Associated).
- "TYRESOLES"; for india-rubber, artificial rubber, and synthetic rubber (17). By Simon, Ltd., Bird Hall Lane, Cheadle Heath, Stockport. 631,487 (Associated).
- "CLEREX"; for gelatin for food (30). By Carn, Ltd., 14 Cornhill, London, E.C.4. 632,338.

Collectors, Please Note!—"There is a need for special effort in the salvaging of various materials, such as waste paper, etc." The Joint Parliamentary Secretaries to the Ministry of Supply, in the House of Commons, on March 7.

TRADE NOTES

ency.—John Prentice (London), Ltd., been appointed sole concessionaires Great Britain, as from April 1, of the Kenzie Medicine Co., Ltd. Orders may be placed either at 3 The Exchange, London, N.10, or at 8 Fenkle Street, Newcastle-upon-Tyne.

An Elegant Ointment Base.—Herts Pharmaceuticals, Ltd., Welwyn Garden City, publicise in this issue their product Eucerin, hydrous and anhydrous, which their claim is unsurpassed for the dissolving of ointments. Details containing dispensing suggestions may be obtained from wholesalers or direct from the makers.

Peace-time Programme of Manufacture.—Inorganic Remedies, Ltd., 192A Broad Street Gardens, London, N.W.6, in a communication to clients, announce that they are preparing for an ever-increasing peace-time manufacturing programme, and hope in the course of a few weeks to issue a list of products the manufacture of which they intend to undertake.

An Outstanding Series.—The series of coloured front-cover advertisements of Argoyne, Burbidges & Co., this week features Henry Dunant, the founder of the International Red Cross Committee in 1903, through which Red Cross Societies in every country work and co-operate today to bridge the gap between hope and despair." The company appeals for continued support for the British Red Cross Society.

Hire of Oxygen Tents.—A twenty-four-hour vital service for the dispatch of oxygen tents to hospitals and private patients, operated by Oxygaire, Ltd., 8 Duke Street, London, W.1, has been extended to three new areas, delivery in which (on loan in urgent cases) is secured by telephoning Oxygaire (Bristol), Ltd. (Abson 81); Oxygaire (Birmingham), Ltd. (Calthorpe 37); or Oxygaire (Manchester), Ltd. (Aldale 5218).

Easter Holiday Closing.—Damancy & Co., Ltd., manufacturing chemists, Harrow-on-the-Hill, Middlesex, state that their works will be closed for the Easter holiday and stocktaking from March 28 to April 2 inclusive, during which time only urgent orders for delivery by post can be attended to. The offices of Pharmaceutical Specialities (May & Baker), Ltd., will be closed from 3.30 p.m. on March 29 until the usual opening time on April 3; urgent supplies

may be obtained from John Bell & Croyden, 50 Wigmore Street, London, W.1, or from Curtis & Co., Ltd., 79 Baker Street, W.1.

Information Offered.—An invitation is given to pharmacists by Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2, to write to the company's medical service department for information about the following five products recently introduced into the range of preparations manufactured by the company:—Thiouracil and methyl thiouracil (50-mgm. and 200-mgm. tablets for use in treatment of thyrotoxicosis); Davitamon B₁ superforte (aneurin hydrochloride in exceptionally high concentration for urgent intravenous use; ampoules containing 60 mgm. or 120 mgm.); Davitamon E (synthetic racemic alpha-tocopheryl-acetate in tablets of 3 mgm. or 20 mgm.); and Cortrophin (adrenocorticotrophic hormone of the anterior pituitary in ampoules containing 5 or 10 sudanophic units of an air-dry powder, with twin ampoules of aqueous solvent, for intramuscular injection.)

Business Changes

'MR. C. CLARKE has opened a pharmacy at 59 Lower Dorset Street, Dublin.

UNITED DOMESTIC INDUSTRIES, LTD., have transferred the head office of their chemical section to Westralia House, 66 Gresham Street, London, E.C.2. Telephone: Monarch 7622.

DR. S. JUDD LEWIS, D.Sc., Ph.C., F.R.I.C., has transferred his office and laboratories to 3 Addison Road, Wanstead, London, E.11 (telephone: Wanstead 6588). The spectroscopic side of the practice, together with the chemical work associated therewith, has been transferred to the research laboratories of Johnson, Matthey & Co., Ltd., Wembley, Middlesex (telephone: Wembley 3237).

Proprietary Articles Trade Association

Additions to Protected List.—Vocalzone Laboratory (distributors, Brooks & Warburton, Ltd.), Vocalzone pastilles, 10s. doz., tax 1s. 8d. doz., inclusive retail price, 1s. 5d.; 20s. doz., tax 3s. 4d. doz., i.r.p., 2s. 9d.; nasal capsules, 20s. doz., tax 3s. 4d. doz., i.r.p., 2s. 9d.

Alterations.—Henry C. Miner, Ltd., increased prices: Milk of Olives, 6s. 2d. doz., tax 6s. 2d. doz., i.r.p., 1s. 2d.; 18s. 4d. doz., tax 18s. 4d. doz., i.r.p., 3s. 6d.

BIRTH

LESLIE.—At Dennistoun Nursing Home, Glasgow, on February 25, the wife of Robert S. Leslie, M.P.S., 590 Alexander Parade, Dennistoun, of a son.

MARRIAGES

LEVEN-BLACK.—At St. Philip's Church, Joppa, Edinburgh, on March 6, James L. Leven, R.A.O.C., Auchtermuchty, to Eleanor Castles Black, M.P.S., 45 Brunstane Road, Joppa.

ORR-SMITH.—At St. Philip's Church, Joppa, on February 24, Robert Wallace Orr, M.P.S., to Jeanie MacPherson Smith, M.P.S., 5 James Street, Joppa.

DEATHS

BETHUNE.—At Brae-Moray, Inverness, on March 1, Mrs. Isabel Jane Bowie Bethune, wife of Mr. William John Bethune, M.P.S., 3 Queen's Gate, Inverness.

BLACK.—At his residence, 89 Grosvenor Road, Belfast, on March 3, Mr. George Black, Ph.C. Mr. Black carried on business on his own account for some years in York Street, Belfast, but gave it up owing to ill-health. Latterly he had been acting as a *locum tenens* in the Six Counties.

CHRYSTALL.—On March 8, after a brief illness, Mr. Robert Chrystall, M.P.S., 12 The Broadway, Woodford Green, Essex, a director of Chrystalls (Woodford Green), Ltd., aged seventy-two. A native of Forres, Scotland, Mr. Chrystall qualified as a chemist and druggist in 1897, and had been in business in Woodford Green for thirty-seven years.

DAWSON OF PENN.—At 2 Weymouth Street, London, W.1, on March 7, Viscount Dawson of Penn, president of the Royal College of Physicians, 1931-38.

FRENCH.—On February 27, Mr. Thomas French, M.P.S., 1735 London Road, Leigh-on-Sea. Mr. French qualified in 1909.

IANSON.—Recently, Mrs. Sarah Alice Ianson, wife of Mr. John Ianson (a director of W. Meadowcroft, Ltd., essence manufacturers, Blackburn), aged seventy-five.

McKENZIE.—At 30 Lillybank, Port Glasgow, on February 27, Mrs. Annie McNaughton McKenzie, daughter of the late Mr. James McNaughton, M.P.S., Port Glasgow.

MORROW.—On February 27, Mr. Charles Morrow, Ph.C., The Market Place, Hornsea, Hull, aged seventy-six.

PERSONALITIES

MR. W. LEE, M.P.S., Nottingham, has been appointed vice-chairman of the North east Midland Prescription (Pricing) Bureau.

MR. ERIC W. SCORGIE, M.P.S., Paisley gave a talk on "Pharmacy, an Ancient Calling," to members of the local Rotary Club recently.

MR. W. S. HALDANE, teacher of chemistry at Dunfermline High School, has been elected a Fellow of the Royal Society of Edinburgh.

MR. DONALD CUMMING WILSON, B.Sc. F.R.I.C. (a director of T. & H. Smith, Ltd., Edinburgh, has been elected a Fellow of the Royal Society of Edinburgh.

SIR T. ROBINSON, Ph.C. (a member of Council of the Pharmaceutical Society of Ireland), has been re-elected a director of the Grosvenor Hotel Co., Ltd., Dublin.

MR. EDWARD WALLACE MCBIRNEY, 14 Cregagh Road, Belfast, eldest son of Mr. Robert McBirney, Ph.C., Cregagh, Belfast has taken second place in the final medical examination at Trinity College, Dublin.

MR. MALCOLM IRVINE, Ph.C., is giving lectures on "Animated Cartoons" and "Cinema and Sound" in a series "The Cinema and You," given weekly at the Community House, Clyde Street, Glasgow.

DR. ROLAND SLADE, who delivered the Ferdinand Hurter Memorial lecture at Liverpool University on March 8, was born at Northwich, and lived in his earlier years at Sandbach, Cheshire. In 1909 he became lecturer in physical chemistry at Liverpool University. In 1920 he joined the research department of Imperial Chemical Industries, Ltd., with whom he has for some years been the controller directing and co-ordinating research, much of it still on the secret list. See p. 277.

DR. M. A. PHILLIPS, F.R.I.C., A.M.I.Chem.E., who, with Dr. A. J. Ewins, discovered M. & B. 693, has been appointed to the chemistry department, Derby Technical College. In an interview with the "Nottingham Guardian" recently, Dr. Phillips, speaking of the discovery of M. & B. 693, stated: "To a large extent the discovery was an accident. . . . You can explode the idea that it was the 693rd compound. It was the second I had made. It was called 693 because we have a book of the various compounds we make, and this happened to be the 693rd entry."

MEDICAL ABSTRACTS

Control of Diabetes in Rats.—Burn and others ("British Medical Journal," 1944, 752) have studied the effect of dietary changes, and particularly of a high-fat diet, upon glycosuria produced in rats rendered diabetic by injection of alloxan. The first experiments showed that abrupt suspension of a high-fat for a normal diet caused the disappearance of glycosuria, accompanied by some ketonuria. Although the ketonuria was only transitory, an attempt was made to avoid it entirely by producing fat gradually to the diet. Success was achieved in experiments which demonstrated the inhibitory effect of fat on glycosuria when the calorie intake was maintained; glycosuria disappeared and remained absent until the normal diet was resumed. When the fat in the diet was increased gradually, glycosuria itself disappeared without the appearance of ketonuria. After successive periods of high-fat diet, glycosuria seen on return to normal diet steadily diminished.

Peptic Ulcers.—An analysis of the mortality of peptic ulcer, as revealed in the reports of the Registrar-General, was given by Morris and Titmuss in a paper read at meeting of the Committee for the Study of Social Medicine ("Lancet," 1944, II, 41). Mortality in men was rising steadily over the ten years before the war, during which 43,000 deaths were recorded in England and Wales, and the process has been accelerated since the outbreak of war. In women, except in old age, mortality was falling in the ten pre-war years, but in the period 1939-41 some reversal of the trend took place. In young women the death rate has now almost reached zero. An important increase is in the death rate from both gastric and duodenal ulcers in men over forty-five. Mortality from gastric ulcer is heavier than from duodenal ulcer in both men and women of all ages, a fact regarded as unexpected, for in practice the duodenal ulcer is much the commoner condition, with graver complications all more usual. In general, the death rate from peptic ulcer is lower in rural areas than in the rest of the country, and is higher in the Greater London Area than in the rest of England and Wales.

Oral Penicillin.—Systemic treatment by penicillin is rendered difficult by the necessity of frequent or continuous administration, for the drug is rapidly absorbed and excreted by the urine. Little and Lumb ("Lancet," January 17, p. 203) describe

experiments to show that penicillin undergoes a "stabilising" change during passage through the body and becomes more resistant to heat and changes of pH. Mixing with raw egg increases its resistance to heat and to alteration of pH, and although such change may not be the same as is produced by its passage through the body, the resulting resistance is of the same kind. In volunteers who were given a dose of alkali, followed by penicillin with egg, the bacteriostatic activity of the blood rose to satisfactory levels. Similar results were obtained in a volunteer with hyperchlorhydria and a patient with achlorhydria.

INSURANCE ACT DISPENSING

Lancashire.—Prescriptions dealt with by the county Prescription Bureau totalled 585,337 in the fourth quarter of 1944, against 565,007 in the corresponding period of 1943.

Denbighshire.—On the list of contractors to the county Insurance Committee there are now sixty-six chemists. The 234,355 prescriptions issued in a twelve-month period reviewed at a recent meeting of the Committee cost £6,085, representing a cost of 4s. 4½d. per insured person, against 3s. 9½d. in the previous year. The cost for prescribing in Wales, it was stated, had increased by over £120,000 since 1916.

Dundee.—A recommendation was made to the Insurance Committee at a recent meeting that a medical partnership in the area should be surcharged £30, because the costs of prescribing were considered in excess of those necessary for adequate treatment. A surcharge of £22 against another medical man was also recommended. The recommendations were unanimously adopted.

Hull.—According to a report made to the Insurance Committee by the pharmaceutical service subcommittee, an obligation to open on Sundays and public holidays for a period of one hour under a local rota scheme had not been met by one contractor, who had stated to the subcommittee that he had been called away by the sudden illness of his wife. The subcommittee considered that the chemist had shown a lack of appreciation of his obligations because, on his own admission, he had taken no steps to make alternative arrangements. This being the first complaint against him in nearly twenty years, however, the subcommittee recommended that no action beyond a severe warning should be taken on this occasion.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

THE monthly meeting of the Pharmaceutical Society's Council was held in London on March 6 and 7, the president (Mr. F. G. Wells) in the chair.

Tuesday's Session

The Council resumed consideration of the question of altering present arrangements for the co-option of members of Council to fill casual vacancies, and decided to instruct the secretary to draft a new by-law providing for nominations to be made at the meeting next following the one at which the vacancy was reported, the co-option to take place at the following meeting. This allows two months between the reporting of the vacancy and the co-option, the period to be extended in certain circumstances. The minutes of a meeting of the Joint Committee on Pharmaceutical Services held on February 7 were received, and the Council considered and approved a statement prepared by the Committee for presentation to the Ministry of Health and Secretary of State for Scotland.

Messrs. F. G. Wells, C. W. Maplethorpe and H. N. Linstead were nominated by the Council, jointly with the Councils of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland, to represent the three Societies on the British Pharmacopœia Selection Committee. This Committee was being reconstituted to nominate a person to the General Medical Council to fill a vacancy on the British Pharmacopœia Commission.

Letters were received from the Proprietary Association conveying copy of a letter which had been sent to the Minister of Health commenting on a resolution of the Council calling upon the Ministry to institute control of proprietary medicines; and from the Jugo-Slavia Emergency Committee referring to the extreme shortage of medical supplies in Jugo-Slavia, and asking the Society to support the Committee's efforts to secure gifts of such supplies. The Council agreed to do this and to publish an appeal.

The Council reviewed its attitude towards reconstituting the Pharmaceutical Parliamentary Fund Committee as a Pharmaceutical Parliamentary Committee, a proposal made and accepted by the Council in 1942, when it was decided to discontinue the Committee as a body for obtaining and applying funds for parliamentary purposes. It was decided to communicate with the various bodies concerned.

Wednesday's Proceedings

THE REGISTRAR reported that, since the previous meeting, forty-seven persons had been registered as apprentices. Nineteen persons had applied for restoration to the register. Two persons had passed the Pharmaceutical Chemist Qualifying examination, and the Council agreed that they should be awarded diplomas. A letter from the British Pharmaceutical Conference notified that Mr. R. R. Bennett, Dr. G. I. Boyes and Mr. H. Brindle had been appointed to represent the Conference on the editorial committee of the "Quarterly Journal of Pharmacy and Pharmacology."

Discussion on Research Scholarships

MR. G. R. KNOX MAWER, in moving acceptance of the minutes of the Education Committee, said that in the past pharmacy had not had her fair share of the cream of the young men in the country, and he believed the institution of two new research scholarships, with a general increase in value, would stimulate students to consider pharmacy as a career. He therefore moved acceptance of the Committee's recommendation regarding the scholarships. MR. A. R. MELHUISE seconded the recommendation. He pointed out that the cost of living had been recognised in the proposed increase which would cover the cost of the scholar's living, and be to the good of both rich and poor students. THE PRESIDENT said the only new thing was the two new scholarships at a cost of £250 per annum.

MR. W. J. TRISTRAM agreed with Mr. Mawer that the subject was important, but considered there was no urgency, and felt the matter could well be held over until they budgeted for the next year.

MR. J. C. YOUNG said it appeared to him that the award of scholarships once in ten years, under the Redwood and Burroughs schemes was very infrequent. MR. H. M. HIRST declared that if the position had been explained in the Press they might have had benevolent gentlemen coming forward to augment the funds, but he thought the time was not suitable, and moved it be referred back. MR. T. HESELTINE seconded the reference back. MR. TRISTRAM said he wished to make it clear he was referring to the two new scholarships.

MR. C. DAVIS said the young people were keen and anxious about scholarships, and he was sure the Society would never regret spending the money on the scholarships.

C. W. MAPLETHORPE supported Mr. S. He would much regret a decision against the recommendation of the Educational Committee. The development of pharmaceutical research was of the utmost importance, and the Society was the only independent body that could foster pharmaceutical research and give encouragement to any student who showed promise.

R. L. M. PARRY said that on the Education Committee they knew the difficulties created by scholarships that had of little value up to the present; he thought the Council would carry out its statutory duties in a practical way, and the suggested was practical. They had nothing to lose by turning down the recommendation. Mr. R. M. MURRAY supported the giving of scholarships, but asked whether in giving those scholarships they advanced their own profession or another? Could they keep the recipients in pharmacy?

R. H. C. SHAW (treasurer) said that when the matter came to the Finance Committee, that Committee had offered no objection to approval of the scheme, but tried to point out that the proposed expenditure was not provided for in the estimates, and represented an appropriation from that part of the new funds which was available for restoration of pre-war premises; the amount for the current year was £62 10s. He thought it should have been left over until later in the year.

MR. F. C. WILSON urged that £500 a year was a paltry sum for the Society to spend on the prosecution of research.

THE SECRETARY said three points were involved. They were not able to get the best men to take the scholarships because some of the best men could not afford to support themselves. Secondly, the scholarships were not confined to London or to the Society's school, but open to students or members of the Society all over the country. The third point was that the scholarships were urgently wanted that summer for the following year, and he thought it would be important for those who were going to make an application in June to know whether the scholarship they were going to get was £100 or £250. If there was to be any delay it should not be more than a month, otherwise they would prejudice the case of the poorer students.

MR. HESELTINE agreed that the money would be well spent, if they had the money to spare, but that was the trouble. So far as he knew, the Society's finances were pretty well covered for a good many years past, and until they had more spare

money, and it had been given more thought, the recommendation should not be passed.

MR. HIRST said he had no objection to the scholarships. He wanted to see every young fellow have a chance, but did object to seeing money in the bank being nibbled at to the tune of £500 a year. He understood that the increase in retention fees was to pay mainly for the new building, but they were nibbling at it.

MR. WILSON asked if the £500 a year was the entire cost to the Society.—THE SECRETARY said "Yes," provided Mr. Wilson was not going into details of electric light, etc.; he could not say there might not be some expenditure on apparatus. If Council members were to refer to the previous minutes of the Education Committee, they would find that it had been agreed that an increase in the value of the scholarships to the amount of £500 was desirable. What they were now doing was nothing more than awarding the same number of scholarships every year, but making the scholarship open. If they did not give the boy from the North of Scotland or South Wales sufficient money to accept a scholarship, it merely became a closed scholarship for the wealthy or those living near a University or College.

The recommendation was approved.

Apprenticeship Conditions

MR. KNOX MAWER said the Committee had considered and approved draft notes for the guidance of persons visiting pharmacies from notification received that an apprentice was being taken, and made the recommendation that the conditions should come into force on July 1.

MR. HESELTINE asked if the Council could be assured that the matter would be dealt with in a regular way, and that pharmacists would have an intimation that they were to be visited; members were getting rather tired of people bobbing in at odd moments. MR. MELHUISH said they had had some discussion whether the proposal should be put into operation forthwith or held over until the end of June, and he submitted strongly that it should not come into operation until July 1. MR. J. F. MCNEAL (vice-president) said a man might be very busy, but if he received some notification he could make an effort to get his pharmacy up to a suitable standard.

THE PRESIDENT said he understood it was the practice always to inform hospitals, etc., and the same procedure would be carried out in regard to retail pharmacies.

MR. HIRST said he had voted for such a

proposal for twenty years, but did not think it wise to put the plan into force at that time, when the war was just approaching its finish. So soon as the war was over, chemists could make their equipment up-to-date, and the proposal could be put into force at once. He agreed with the scheme, but said it was not fair, after five-and-a-half years of war, with depleted apparatus, to tell a chemist that on July 1 he had got to have his premises right. He felt the matter had been rushed through at the last moment. THE PRESIDENT said it had been agreed two months previously.

MR. DAVIS said they seemed to be looking at it from the point of view of the proprietor, and they must look at the point of view of the apprentice. MRS. IRVINE supported Mr. Davis, and said some members of the Council seemed to forget that apprentices had rights, or that they themselves had duties. She was surprised to hear Mr. Hirst say they were nibbling at the money, and that they were rushing the thing through. The Council had received a memorandum from the Trades Union Congress on the subject, and another body, the Joint Industrial Council, was also greatly interested in the training of apprentices. If the Council wanted to wait until the end of hostilities, members would find another body stepping in.

MR. MAPLETHORPE said that among the functions of the Council were to control education, inspect pharmacies and inspect the premises where training would be carried out. If in any premises the apprentice could not be trained properly, he should not be allowed to go there. The speaker had heard so much that this or that could not be done, or that the time was not ripe, that he got very tired of it. If they went on in that way nothing would ever be done.

MR. KNOX MAWER, replying to the discussion, said the Education Committee had given careful consideration to the points raised that morning, but the time was more than past when the conditions under which apprentices served their pupillage in retail pharmacies should "receive the most careful and immediate attention." He did not think the question of an unexpected visit could arise, because when a man made application for an apprentice he knew the conditions under which he would accept him.

The recommendation was unanimously approved, and the minutes adopted.

MRS. J. K. IRVINE moved the minutes of the Benevolent Fund Committee, which included a recommendation for a grant of

£260 from the Orphan Fund to educate a girl. The minutes were approved.

MR. A. R. MELHUISH, moving the minutes of the Establishment Committee, said the permission had been given to the British Pharmaceutical Students' Association to have the use of the Society's lecture theatre on the morning and afternoon of April 21 and 22 for their annual conference. It was understood that the president had accepted an invitation to address the students on Sunday morning. The minutes were adopted.

MR. H. C. SHAW (treasurer) moved adoption of the Finance Committee's minutes. They had, he said, £22,000 available for investment for the premises fund, including £15,000 transferred from the general fund in pursuance of a resolution of the Council on July 7, 1943, and he recommended that the £22,000 should be invested in 3 per cent Savings Bonds, 1965-75. This was agreed and the minutes were approved.

Arrangements for Annual Meeting

MR. F. C. WILSON moved the minutes of the Organisation Committee. The Committee recommended no change in the arrangements for the annual meeting this year, but that a report should be prepared for submission to the Branch Representatives' meeting on possible changes in the arrangements in the future. The Committee appreciated, he declared, that the intention of the special general meeting was that the annual meeting should play a more effective part in the Society's affairs, but the Committee was not satisfied that the methods proposed would bring about that result. The matter was obviously important, and deserved consideration from the broadest point of view.

THE SECRETARY reported receipt of a letter from Mr. W. Atkinson, London, N., proposing the following motion for submission to the annual meeting:—

That in the opinion of this annual meeting the Council of the Society shall take such action as may be necessary to ensure that all resolutions passed at a Branch Representatives' meeting or annual meeting shall be legally binding upon the Council, which shall act upon such resolutions so soon as possible, and no resolution shall be able to amend or override any way override or amend such resolutions.

MR. H. M. HIRST declared that if the motion were passed it would be against the Charter and impossible to carry out. THE SECRETARY said he was merely informing the Council of the motion, and of the fact that a request had been put by Mr. Atkinson that arrangements should be made

urn the annual meeting until the even-
so that he might himself attend.

R. L. M. PARRY said the restriction on
nbers of Council speaking at annual
tings should be removed, as it was
ing for a member of Council to sit in
room and see a silly resolution carried
ause it had not been properly exposed.

R. R. M. MURRAY said they must regard
matter of the annual meeting very
pusly, and must make it more repre-
ative. The Committee had spent a

long time the previous day considering it,
and unless they did so they would find
people interfering with their Charter. Mr.
TRISTRAM declared the only thing likely to
affect their Charter would be that they
were continuously overriding the wish of
the majority of the members. The present
motion was from one man, or small group
of men, and he suggested the Council should
endorse the Committee's decision. The
recommendation, and the minutes as a
whole, were agreed.

CHEMISTS' FRIENDS ASSOCIATION

Council of the C.F.A. met in London
February 20, the newly-elected president

T. Heseltine) in the chair. THE
SIDENT paid tribute to the late Mr.
W. Atkinson, and members of the
ncil stood in silence for a few moments.
he Council's congratulations were ex-
led to Mr. R. C. Feather upon his
ointment as a member of the Twicken-
Education Committee.

HE SECRETARY reported that the follow-
firms had been re-elected to the C.F.
ncil for a further period of two years:—

Manufacturers' Representatives: Allen
anburys, Ltd.; Meggeson & Co., Ltd.;
ke Davis & Co.; and Evans Sons
cher & Webb, Ltd.

Wholesalers' Representatives: May, Ro-
s & Co., Ltd.; Sangers, Ltd.

Members and Committees

he following officers of the Association
elected for the year: *President*, Mr. T.
eltine; *Vice-president*, Mr. E. W.
ding; *Treasurer*, Mr. R. Peck. MR.
ELTINE, accepting office, thanked the
ing president (Mr. F. J. Smith) for the
ices he had rendered during his term of
e. The following committees were
ted for the year:—

Standards Committee: Messrs. J. D.
n, E. A. Brocklehurst, R. C. Feather,
W. Godding, J. Hearle, W. W. Knott,
A. Mallinson, R. Peck, and S. J. Stearn.
Propaganda Committee: Messrs. E. A.
cklehurst, S. Brook, W. T. Elder, E. W.
ding, J. Hearle, G. A. Mallinson,
L. C. Money, R. Peck, and W. J.
tram.

report was given by the secretary upon
visit to Scotland on February 8 and
n a meeting convened by the Glasgow
West of Scotland Branch of the
tish Pharmaceutical Federation which
addressed upon that date. The constitu-
of the Scottish C.F. Committee was

considered further in the light of the
secretary's report, and upon the views
submitted by Mr. W. T. Elder, and it was
resolved that the resolution dealing with the
constitution of the C.F. Scottish Committee
which had been passed at the previous
meeting of the C.F. Council should be
rescinded, and that the Scottish Committee
should be constituted as follows: Four
retailers' representatives, to be appointed
by the Scottish Pharmaceutical Federation;
three manufacturers' representatives; and
one wholesaler.

Manufacturer Membership

The following applications for manu-
facturer membership of the C.F.A. were
accepted: C. J. Hewlett & Son, Ltd.,
London (S.B.T.); Sominox, Ltd., Bradford
(Sominox sleeping tablets); Influcol, Ltd.,
Bradford (Influcol cold remedy). An
application submitted by a fourth manu-
facturer was referred back for further
consideration. An application for an
addition to the schedule of an existing C.F.
agreement by E.N.T. Manufacturing Co.,
Ltd., Bristol (E.N.T. nerve powders) was
considered and approved.

Changes in the retail prices of nicotinic
acid tablets and nicotinamide tablets noti-
fied by Roche Products, Ltd., were
approved. Applications from two un-
qualified traders for permission to sell C.F.
products were rejected. Five applications
for the maintenance of supply of C.F.
products to businesses temporarily con-
verted into drug stores owing to war-time
conditions were accepted; two others were
referred back; and an eighth was refused.

Mr. E. A. Atkins tendered his resignation
as a deputy member of the C.F. Council,
owing to his acceptance of a Govern-
ment appointment. THE PRESIDENT con-
gratulated Mr. Atkins upon his appoint-
ment, and accepted his resignation with
regret.

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l organ of The Pharmaceutical Society of Great Britain, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of London and of other Chemists' Societies in the Empire

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fact that goods made of raw materials for export supply owing to war conditions are not mentioned in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

Council Affairs

Interesting discussions took place at a Council meeting of the Pharmaceutical Society of Great Britain, held in London on March 6 and 7 (p. 270). The first subject dealt with was that of the co-option of members to fill casual vacancies. It will be recalled that we recently commented in a somewhat unorthodox manner in this paper on such a vacancy on the Council had been filled (*C. & D.*, February 17, p. 171). In that case the nomination and co-option were to have been made and approved by the "Education Committee," a procedure which, so far as we are aware, was unique and without precedent in the transaction of the business of the Council of the Society or of any other body. Arising out of this incident, apparently, the Council has decided to draft a by-law to the effect that nominations to fill casual vacancies are to be made at the meeting next following the date at which the vacancy is reported, the co-option to take place at the following meeting, thus allowing two months between reporting of the vacancy and the co-option. The instruction to the secretary is commendable, so far as it goes, but the point—that both the nomination and

the co-option should be dealt with as public business—has apparently been overlooked.

Scholarship Values Increased

In the general discussion that took place on the Education Committee's recommendation that two new scholarships should be instituted and the values of other established scholarships should be increased from £100 to £250, the opposition was largely based on the need for economy. The secretary (Mr. Linstead) summed up the position in three points: (1) Some of the best men could not afford to keep themselves, (2) the scholarships were open to students or members of the Society all over the country, and (3) the scholarships were urgently wanted this summer for the following year. No one can deny that economy of expenditure has been practised in the past so far as scholarships are concerned. In this instance there were two parts to the recommendation. First, to institute two new scholarships at a cost of £250 per annum, and secondly, to increase the value of others at a total cost of £250 per annum. Those members of Council concerned with the need for economy considered that this expenditure on new scholarships was inadvisable, but they will, we believe, agree there was a sound case for bringing up the values of established scholarships to a level commensurate with present-day costs of living in order to make them available throughout the country and not restricted, as hitherto, to the wealthy or those who lived in the neighbourhood of a university or college. It is to be hoped the Council's decision to approve the recommendations is only the first step towards bringing the Society's educational and research endowments up to the standard of present-day requirements.

Master and Apprentice

Another subject closely related to education came up for consideration when the Council decided to act on the recommendation of the Education Committee that, from July 1 next, the regulations covering approved conditions of apprenticeship in retail premises should be implemented by visits to premises registered under Part I of the Pharmacy and Poisons Act, 1933,

after receipt of notification that an apprentice had been taken. It is certainly the duty of the Society to satisfy itself that retail pharmacies should provide reasonable facilities in all necessary respects for apprentices to undergo "a practical course of study of not less than 4,000 hours in the compounding and dispensing of medicines and in pharmaceutical operations generally." This is not a condition that is likely successfully to be enforced by hard and fast rule. So much depends on the master and his personal interest in his apprentice. A pharmacy may, to all appearances, be entirely satisfactory, yet it may, for reasons that it is not necessary to detail here, afford but scant opportunity to the apprentice to practise compounding and dispensing.

We agree with Mrs. Irvine that "apprentices have rights and they [pharmacists] have duties" in the matter, and there may be reason to fear, as she later hinted, that "if the Council wanted to wait until the end of hostilities, members would find another body stepping in and doing what they themselves should do." It should not be difficult for the Council to adopt methods, which would induce the full co-operation of master pharmacists in an effort to ensure that every apprentice is studying under happy and ideal conditions.

Future Annual Meetings

The Organisation Committee recommended, and the Council approved, that there should be no change in the arrangements for the annual meeting for this year, and that a report on possible changes in future should be submitted to the next Branch Representatives' meeting. The point at issue, whether it would be more convenient to the majority of members if the annual meeting was held in the evening, is not a new one. Any alteration, either in time or place, that would lead to better attendances would certainly be welcome. The views of Branch delegates will no doubt cover every conceivable suggestion, leaving the Council with the old difficulty unsolved. We should not be at all surprised, however, if there was a movement to change the venue from London to leading provincial centres from time to time.

Aspirin as Poison

WHAT is the average lethal dose of aspirin? The Registrar-General's figures for 1934 record some fifty deaths annually from aspirin poisoning, yet little accurate information appears to be available on the subject, possibly, no doubt, because of considerable variations in tolerance and the patient's recovery (after treatment) recorded by Hopkins in the "Lancet" (February 3, p. 145) in which 250 tablets (i.e. a total of gr. 1,250) had been taken. Balaz reported on 752 cases of aspirin excess examined in Budapest, 1923-34. Of these only four died, an estimate of the average minimum lethal dose was gr. 450-600. Oakley and Dole (1942) considered recovery to be uncertain after the taking of more than gr. 500. In the light of these observations, the continued popularity of aspirin among inter- and intra-suicides is hard to understand.

Removing a Cause of Trouble

THREE claims reported to the directors of the Chemists' Defence Association on February 26 as having been settled during the previous month were stated to have arisen out of damage to customers' clothing on projections from members' premises. Similar accidents have been increasing in frequency over the past year or two, obviously, partly, no doubt, to the difficulty of getting even normal maintenance work carried out. The sums claimed for compensation are generally relatively small, but in most cases the claimant retains a feeling of annoyance that the accident should have been allowed to occur at all. An inspection of the premises and removal of any obvious potential dangers would save numbers of members from being involved in what are often financially small claims, but which are nevertheless important from the standpoint of the person who has to replace damaged clothing in present circumstances.

C. & D. POISONS GUIDE

SUBSCRIBERS are asked to make the following correction in the Extended List of Poisons in the C. & D. Poisons Guide:

* Tab. codein. co. (P.I.) (9) (Ex. D) (Ex. S.I.)

CODEINE PHOSPHATE, gr. $\frac{1}{8}$ in each.

GAMMEXANE: A NEW INSECTICIDE

act from the Hurter Memorial Lecture given by Dr. Roland Slade, M.C., before the Liverpool Branch of the Society of Chemical Industry on March 8

SAMPLE of 1.2.3.4.5.6. hexachloro-cyclohexane (benzene hexachloride, $C_6H_6Cl_6$, or "666" for short) made by F. D. Leicester at Widnes in by chlorinating benzene in the presence of light and crystallising the product benzene. In 1943 the powder was analysed by biological tests for use in of derris in flea-beetle powder, and then established that the insecticidal of 666 was due almost entirely to presence of gamma 1.2.3.4.5.6. hexachlorocyclohexane (gammexane). This, the principle of 666, is present to the of 10-12 per cent. in the crude trial.

toxicity to animals was investigated, it was found that the following quantities per kilo of body weight were necessary to obtain a 50 per cent. kill (in seven days) when introduced into the stomach:—

alpha isomer	..	1.7 gm. per kilo
beta isomer	..	No animals killed
gamma isomer	..	0.19 gm. per kilo
delta isomer	..	1.0 gm. per kilo
mixture of isomers	..	1.25 gm. per kilo

Experiments on chronic toxicity showed that rats could be fed 10, 20 or 30 mgm. of gammexane daily for five weeks without ill effects of any kind. There appears to be no danger to animals or men by the use of 666, but it is difficult to deduce the effect upon man from experiments on animals.

Preparations

The need for an insecticide as a substitute for ground derris was satisfied by producing a finely divided powder containing 10 per cent. crude 666 and 80 per cent. kerosene, which was further diluted with inert materials to give insecticidal preparations for use on crops. For some uses the material is required in solution. Solutions used in practice include methanol, benzene, carbon tetrachloride, perchloroethylene and decahydronaphthalene. Solutions containing 5 per cent. gammexane or more may be diluted for use with kerosene or other suitable oil; by the addition of an emulsifying agent such as selected Turkey oil, concentrated solutions can be prepared which, on the addition of water, will form a stable emulsion suitable for use in the field. Another gammexane preparation designed for use with water as diluent is

the dispersible powder, and suitable types may be prepared, either from crude 666 or from the solid product resulting from the removal of alpha from the crude, by incorporating an adequate amount of waste lye resulting from the sulphite treatment of cellulose. Unlike many insecticides, gammexane has proved to be exceptionally stable to high temperatures. This enables it to be applied by volatilisation from hot plates, producing the insecticide in the form of a "smoke." By such means the insecticide may be used directly against insects or to give a toxic film on walls, etc.

Agricultural Uses

It was in agriculture that the insecticidal properties of the crude material were first discovered. In trials against the flea beetle (*Phyllotreta* species) the product proved to be outstanding, giving better results than the derris dusts then in use. The material was used in hundreds of tons against flea beetle in 1943 and again in 1944. Even larger quantities will be used in 1945. It was natural to try the material against other agricultural pests, and it was found that blossom beetle (*Meligethes aeneus*) and mustard beetle (*Phaedon cochleariae*) could be controlled. Considerable acreages of seed beds have been successfully treated for the control of these pests. For many years work has been in progress on the locust problem. Preliminary tests showed that the new material was extraordinarily toxic in locust baits; it was, in fact, much more toxic than anything hitherto used. The information was communicated to the Anti-Locust Centre, London, and as a result field trials were arranged in North Africa soon after its liberation. They gave highly successful results. Before the toxicity of the material to locusts was realised, a small quantity of dust containing the crude material was sieved on a bench on one side of a room in which were housed cages containing locusts. All the locusts subsequently died. After thoroughly scrubbing the cages, vacuum-cleaning the walls, and washing the floors, fresh locusts placed in the cages also died. It was not until the room had been redecorated, and the cages again scrubbed, that breeding of the locusts could be resumed.

Successful results have been obtained against a wide variety of insects, including

caterpillars: winter moth (*Cheimatobia brumata*) and cabbage white (*Pieris* species), etc.; melonworm (*Diaphania hyalipia*), southern army worm (*Laphygma eridania*) and beet webworm (*Pachyzancla bipunctalis*) in the U.S.A., Colorado beetle (*Leptinotarsa decemlineata*), pea and bean weevil (*Sitones lineatus*), and apple-blossom weevil (*Anthonomus pomorum*). Gammexane also kills certain wasps and ants (e.g. *Vespidæ* and *Lasius* species). Like other insecticides it is toxic to bees, and methods of application to fruit trees must be selected with care, for bees are largely responsible for carrying fruit-tree pollen. Variable results have been obtained against hemiptera, possibly owing to difficulties in application, since the chemical seems to be toxic to the bed-bug and some species of aphids (e.g. *Brevicoryne brassicae*, *Aphis rumicis*). Success against all forms of green fly has not yet been achieved. The fruit-tree red spider does not seem susceptible, though other mites undoubtedly are. Lastly, current trials indicate that the product may be of considerable value as a soil insecticide. A preliminary experiment in the field against wireworm lends hope to the possibility that at last a means has been found of fighting this pest, which is responsible for the failure of so many agricultural crops in Britain.

Medical, Veterinary, and General Uses

Lice on pigs, red mite on poultry, and fleas on dogs, have all been successfully controlled, but further formulation work is being carried out before the product can be made generally available for these uses. However, it may be said that, on the evidence of extensive tests carried out in 1944, gammexane is likely to be of greater all-round effectiveness against many pests of sheep and cattle than the substances hitherto employed. The product was found to be toxic to keds and sheep ticks. Less extensive work gave promise against sheep blow-fly, scab, and biting lice. An extension of this work is planned in the principal territories abroad. Gammexane is highly effective against bed-bugs. For this purpose, a suitable form is the solution in "dec" (decahydronaphthalene), which is diluted for use with a suitable spraying oil, such as odourless distillate. Used in this way, no damage is done to painted or French-polished surfaces. The material has proved highly successful as a killer of crickets (e.g. *Gryllulus domesticus*) and cockroaches (e.g. *Blatella germanica*, *Blatta orientalis*). A dust preparation for the con-

trol of these pests is now available, and already been successfully used on a scale. More important uses are concerned with the control of flies and mosquitoes. Against adult flies (*Musca domestica*), the paraffin solution has proved exceedingly toxic. Since it does not give the immediate paralytic effect or knockdown which is desirable for some fly-spray uses, the use of a little pyrethrum is advantageous. A spray of the same type is effective against adult mosquitoes.

If litter and manure heaps, which are breeding-places of the house-fly, are regularly dusted with a gammexane powder, the fly population of the area can be kept effectively. Dusts, paints, and sprays have been used experimentally on the surfaces of rooms, latrines, etc., rendering them inhospitable to any flies that may walk over them. As a mosquito larvicide, gammexane gives excellent results. Gammexane gives higher kills of the larvae of the yellow fever mosquito (*Aedes aegypti*) than any other material examined. The crude material 666 is of the same order of toxicity. Paris green, and has the advantage of giving greater safety to man and ability to be used in oil. It is probable that, at the rate of 1 oz. gammexane (10 oz. 666) per acre, give satisfactory control. Field experiments have been carried out in New Zealand, Ceylon, and West Africa under the Insecticide Development Panel of the Ministry of Agriculture, and results already to show that the product is effective against anopheline and culicine larvae under a range of conditions.

Utility Against Grain Pests

Among the pests of stored products the grain-weevil (*Calandria granaria*) has proved exceedingly susceptible to gammexane. Dusts applied to the grain, giving a concentration as low as one part of gammexane per million of wheat, have proved toxic. No effect can be detected on flour subsequently made from the wheat or in loaves made from the flour, even when the insecticide is used at considerably higher dosages. Experiments are now in progress to determine the best method of applying the chemical. Another pest that can be controlled is the hide beetle. Only limited tests against other pests of stored products have been carried out, and one of these, the Indian meal moth (*Ephestia kühniella*), seemed resistant to the preparations employed. Tests against the clothes moth (*Tineola bisselliella*, etc.) are promising.

NORTHERN IRELAND'S NEW PHARMACY BILL

Text has been published of a Medicines, Pharmacy and Poisons Bill (Northern Ireland) the purpose of which is "to prohibit in advertisements relating to medical matters, and to amend the law relating to medicines, pharmacy and poisons; and for purposes connected with the said matters." The Bill is in four parts, as follows:—

Part I.—Medical Matters and Medi-

Part II.—Pharmacy.

Part III.—Poisons.

Part IV.—General and Supplemental.

There are also four Schedules, the first giving out provisions to be substituted for the requirements of the Pharmacy and Poisons Act (Northern Ireland), 1925; the second prescribing proceedings to be taken by a Statutory Committee set up by the Act; the third, which is in three parts, giving a list of statutory poisons; the fourth tabulating Acts or sections of Acts, which are repealed under the new

The broad outline the Bill applies to Northern Ireland, under Part I, the provisions of the Pharmacy and Medicines Act, 1933 (Great Britain), relating to advertisements and the supply of medicines; lays out, in Part II, the conditions of the Pharmacy and Poisons Act, 1933 (Great Britain)—as modified or supplemented by the 1941 Act—governing registration and practice as a pharmacist or druggist, constitution and functions of a Statutory Committee, which it establishes, and powers of the Pharmaceutical Society of Northern Ireland; and revises the Northern Ireland regulations to make them correspond more nearly, though with important differences, to the corresponding provisions existing in Britain.

Control of Advertisements

Part from the inclusion of cancer among diseases for which the Bill, if enacted, will render it illegal to advertise articles calculated to lead "to their use for treatment, and the modification, as one of the steps to which it is not an offence to advertise such articles, to "registered pharmaceutical chemists, chemists and druggists, and druggists" from "registered pharmacists and authorised sellers of poisons," the clauses controlling the advertising of medicines and cognate matters are identical with the corresponding clauses of the Pharmacy and Medicines Act, 1941. These were fully set out in a supplement to

THE CHEMIST AND DRUGGIST, July 5, 1941, and are discussed in THE CHEMIST AND DRUGGIST Diary and Year Book, 1945 (pp. 321–25). In Britain, advertisements relating to cancer are controlled under the Cancer Act, 1939. A class of Registered Druggists has existed in Northern Ireland since the time when, under the Pharmacy and Poisons Act (Northern Ireland), 1925, the Pharmaceutical Society of Northern Ireland was established.

Under "Medicines" the first four clauses are again identical with corresponding provisions of the 1941 Act in Great Britain. Clause 5 (1) reads:—

Subject to the provisions of this Part of this Act, a person shall not sell by retail any article consisting of or comprising a substance recommended as a medicine unless the sale is effected at a shop.

Definition of Shop

This replaces two clauses and five sub-clauses of the 1941 Act. The effect is to restrict the sale of substances recommended as medicines to particular (i.e. "shop") premises, but not to "duly registered" premises or to specified classes of sellers. In a supplemental clause, however, the Bill defines, far more specifically than in the British Act, what constitutes a shop. The actual wording is:—

"Shop" includes any premises where any retail trade or business is carried on but does not include a stall, van or barrow, and "retail trade or business," in relation to any premises, includes the business of a barber or hairdresser, the sale of refreshments or intoxicating liquors, and retail sales by auction, but does not include the sale of programmes and catalogues and other similar sales at theatres and places of amusement.

It is admitted as a defence, on behalf of a person selling or supplying, in contravention of the terms of the Bill, an article consisting of or comprising a substance recommended as a medicine, that he did not know and had no reason to believe that the article was such a substance; and he may also plead, as in Britain, that he acted "in the course of his employment as a servant or agent . . . of another person on the instructions of his employer or of some other specified person."

The provisions under Part II ("Pharmacy") commence with the proviso that:—

Every person registered as a pharmaceutical chemist shall be a member of the Society; every person registered as a chemist and druggist or druggist shall be an associate of the Society;

and every person registered as an assistant or apprentice shall be a student of the Society.

and thereafter conform approximately, with the changes made necessary by that clause, to those of the corresponding section of the Pharmacy and Poisons Act, 1933 (Great Britain). It is laid down that fees are payable to the Society, not only by members, but also by associates and students, for retention of the name on the appropriate register. The maximum fee is £2, and power is given to charge fees at differential rates.

Change in Examination Conditions

A change is made—"as from the appointed day"—in the conditions and subjects of examination for registration as a pharmaceutical chemist, the new conditions being:—

FIRST SCHEDULE

Provisions to be substituted for Part IV of the Second Schedule to the Act of 1925

Any person to whom the provisions of this Part apply shall, in order to obtain the certificate of qualification as Pharmaceutical Chemist, satisfy the Council:—

(a) that the duration of his apprenticeship has been not less than four years;

(b) that his age is twenty-one years or more; and

(c) that he has passed an examination to be held by the Council in the following subjects:—

Biology (theoretical and practical) (including botany and zoology);

Chemistry (theoretical and practical);

Physics (theoretical and practical);

Pharmacognosy (theoretical and practical);

Pharmaceutics (theoretical and practical);

Forensic pharmacy;

Physiology;

Such other subjects (not including the theory and practice of medicine, surgery or midwifery or any branch of medicine or surgery) as may from time to time be prescribed.

Clause 11 of Part II introduces a special provision affecting men serving, or who have served, either before or after the enactment of the Bill, in H.M. Forces. The full clause is:—

For the purpose of section six of the Act of 1925 (which relates to conditions and subjects of examination for registration) any person who has served, whether before or after the passing of this Act, in any of His Majesty's naval, military or air forces in the present war, and who was at the time when he joined any such force a registered assistant or apprentice, shall be allowed to add that service to his period of assistantship or apprenticeship.

Provided that the period of service which

may be added under this section shall not exceed two years, together with such additional period (if any) not exceeding two years as the Council may allow.

A Statutory Committee, closely corresponding to the Statutory Committee of the Pharmaceutical Society of Great Britain is set up, the chairman to be appointed by the Minister of Home Affairs. Where an appeal has been made to the Supreme Court against the striking of a name from the register and dismissed by that Court in a direction to restore the name will have no effect unless approved by the Government of Northern Ireland. The machinery for dealing with appeals is laid down in subsection 14:—

Provision may be made by rules of the Supreme Court under section sixty-one of the Supreme Court of Judicature Act (Ireland) 1877, as amended by the Supreme Court of Judicature (Ireland) (No. 2) Act, 1897:—

(a) as to the division or court by which an appeal from the Statutory Committee in this Part of this Act may be heard or determined; and

(b) for regulating the procedure and practice in relation to such appeals;

and references in this Part of this Act to the Supreme Court shall be construed as references to the division or court designated by such rules as aforesaid.

Carrying on a Business

The provisions in which differences between the legislation in Britain are most noticeable are those given in Clause 15, under the heading "Carrying on of Business." The provisions are given in full below:—

(1) It shall not be lawful for any person who is registered as a pharmaceutical chemist and druggist, or druggist, to carry on the business of pharmaceutical chemist, chemist and druggist, or druggist, respectively; and the purposes of this Act and the Act of 1925 shall be deemed to be:—

(a) a person shall be deemed to carry on the business of pharmaceutical chemist who keeps open shop for retailing poisons, dispensing and compounding medicines, whether he personally manages and conducts the shop or employs a manager or assistant to conduct it;

(b) a person shall be deemed to carry on the business of a registered chemist and druggist, or druggist, if he keeps open shop for retailing and mixing poisons, whether he personally manages and conducts the shop or employs a manager or assistant to conduct it;

Provided that nothing in this subsection shall affect any licentiate of Apothecaries Hall or other duly qualified medical practitioner.

(2) It shall not be lawful for any person unless he is registered as a pharmaceutical chemist to take or use the title of pharmaceutical chemist, pharmacist, or dispensing chemist, or for any person unless he

red as a chemist and druggist or druggist or use the title of chemist and druggist or to take or use in connexion with the sale of goods by retail the title of chemist. It shall not be lawful for any person to be in connexion with any business any title, name or description reasonably calculated to lead to the belief that he or anyone employed in the business possesses any qualification with reference to the carrying on of a business within the meaning of subsection (1) of this section other than the qualification which he in fact possesses.

The purposes of this subsection the use of any of the following descriptions, namely, "pharmacy," "medical hall," "medical stores," "dispensing hall" and "drug stores" in connexion with a business carried on in any premises shall not be deemed to be reasonably calculated to lead to the belief that the owner of the business and the person having the control of the business on the premises are pharmaceutical chemists, chemists and druggists, or druggists.

Any person acting in contravention of the provisions of this section shall on conviction be liable in respect of each offence to a fine not exceeding twenty pounds, and in the case of a continuing offence to a further fine not exceeding five pounds for every day, subsequent to the day on which he is convicted of the offence, on which the contravention continues.

The following subsection shall be added to the end of section seventeen of the Act of 1925 (which relates to the annual licence to carry on business), that is to say:—

(4) Where a person carries on business as aforesaid without an annual licence he shall, on conviction, be liable to a fine not exceeding five pounds for each day on which he has so carried on business."

(5) A manager or assistant shall not be required to take out and hold an annual licence for the reason only of the fact that he is employed to manage and conduct a shop on behalf of another person."

Subsection (4) of the said section (as originally enacted) shall cease to have effect.

Section eighteen of the Act of 1925 (which relates to the annual licence to carry on business) shall cease to have effect.

The existence of statutorily recognised professions of chemists and druggists and of the fact that the carrying on of such businesses also renders necessary a clear definition of the rights of bodies corporate. This is given in 17 (5):—

The provisions of this section shall apply to enable a body corporate (subject to the provisions of this section) to carry on the business of chemist and druggist, or druggist, and to be an authorised seller of poisons and, in their application as aforesaid, shall have effect subject to the following modifications, that is to

(a) for the words "pharmaceutical chemist" wherever they occur there shall be substituted the words "chemist and druggist, or druggist";

(b) in paragraph (a) of subsection (1) for the words "the keeping and retailing of poisons and the dispensing and compounding of medicines" there shall be substituted the words "the keeping, retailing and mixing of poisons" and

(c) in subsection (2) the words "or dispensing chemist" and the word "pharmacy" shall be omitted.

The question of supervision is also affected by the existence of a class of registered druggists. Clause 20 lays down that:—

20. A person registered as an assistant to a pharmaceutical chemist shall be competent to conduct the business of a pharmaceutical chemist during the temporary absence of such chemist, and while so conducting the said business shall be an authorised seller of poisons, but shall not be entitled to manage or conduct a business, or keep open shop, on his own account.

Powers of the Society

Four paragraphs (21–24) are devoted to the "Powers of the Society, etc." These provide as follows:—

21. The Society may apply funds under its control towards providing scholarships for the furtherance of education and research in pharmacy, in accordance with regulations to be made by the Council under section three of the Act of 1925 and approved by the Minister of Home Affairs after consultation with the Minister of Education.

22.—(1) The Society may purchase by agreement or take on lease any land which is required for any purpose of its powers or duties under the Act of 1925 or this Act.

(2) The Society may, on such terms as it thinks fit:—

(a) sell, lease or surrender any land for the time being vested in the Society which in its opinion is not required for any such purpose as aforesaid; and

(b) exchange any land for the time being vested in the Society;

and on any such exchange the Society may give or receive any money for equality of exchange.

(3) Any moneys received by the Society from any sale or exchange of land under this section shall be applied by the Society to some purpose of its powers or duties to which capital moneys are properly applicable.

(4) In this section the expression "land" includes water and any interests in land or water and any easement or right in, to, or over land or water, and the expression "lease" includes a grant in perpetuity.

23.—(1) The person to be appointed by the Council as secretary of the Society under section four of the Act of 1925 shall be a registered pharmaceutical chemist who has obtained a certificate of qualification in accordance with the provisions of Part IV of the Second Schedule to that Act.

(2) This section shall not apply to the person first appointed as secretary of the Society after the passing of the Act of 1925.

24.—(1) The Society may at its discretion, with the consent of the Minister of Home Affairs, grant to any officer whose whole time has been devoted to the service of the Society and who has become incapable of discharging the duties of his office with efficiency by reason of permanent infirmity of mind or body or old age, upon his resigning or otherwise ceasing to hold his office, an annual allowance not exceeding in any case two thirds of his salary and emoluments at that time.

(2) An officer shall not be qualified to receive an allowance under this section on the ground of age unless he has attained the age of sixty years and has served as an officer of the Society for twenty years at least.

(3) An allowance under this section shall be payable to, or in trust for, the officer concerned and shall not be assignable or chargeable with debts or other liabilities.

(4) Where an officer whose whole time has been devoted to the service of the Society dies, after he has served five years or upwards, whilst still employed in that service, the Society may at its discretion, with the consent of the Minister of Home Affairs, grant to his legal personal representatives a gratuity equal to the annual salary and emoluments of his office.

(5) Where an officer, having become entitled to an annual allowance under this section, dies after he has retired from the service of the Society, and the sums paid or payable to him at the time of his death on account of that allowance are less than the amount of the annual salary and emoluments of his office, the Society may at its discretion, with the consent of the Minister of Home Affairs, grant to his legal personal representatives a gratuity equal to the deficiency.

(6) The person first appointed as secretary of the Society after the passing of the Act of 1925 shall be entitled to receive from the Society, upon his resigning office or otherwise ceasing to hold his office, an annual allowance of two thirds of his salary and emoluments at that time, and if the said person dies in the circumstances mentioned in subsection (4) or subsection (5) of this section, or has died before the passing of this Act in the circumstances mentioned in the said subsection (4), then there shall be paid to his legal personal representatives a gratuity of the amount which could be paid to an officer under the same subsection (4) or subsection (5), as the case may be; and the foregoing provisions of this section shall have effect subject to the provisions of this subsection.

Clause 24 concludes the section on "Pharmacy."

No Poisons Board

The outstanding feature of the "Poisons" section is the absence of a Poisons Board.

The machinery for inclusion of a substance or preparation in the list of statutory poisons is given in Clause 26:—

26.—(1) The substances which are included for the time being in the Third Schedule to this Act shall be treated as poisons for all purposes, and subject to the provisions of this Part of this Act.

(2) The Council and the Medical Faculty of the Queen's University of Belfast may from time to time, by a resolution passed by a majority of those bodies, declare that the inclusion of any substance in the Third Schedule to this Act ought to be amended by including in, or removing from, any Part thereof any substance specified in the resolution, or by transferring any substance specified from one Part of the said Schedule to another Part.

(3) Any resolution passed by the Council or the Medical Faculty of the Queen's University of Belfast for the purpose of amending the Third Schedule to this Act shall be subject to the approval of the Governor in the Privy Council of Northern Ireland and, if so approved, the resolution and approval shall be published in the Belfast Gazette; and on the expiration of one month from the date of such publication the Third Schedule to this Act shall have effect subject to the inclusion in, or exclusion from, any Part thereof of the substances specified in the resolution, or to the transfer of that substance from one Part of the said Schedule to another Part (as the case may require).

(4) Nothing in subsection (2) or subsection (3) of this section shall have effect as to enable any division of the Third Schedule of this Act into Parts to be made other than in accordance with the following distribution:—

Part I of the said Schedule shall consist of those poisons which, subject to the provisions of this Part of this Act, are to be sold except by a person who is an authorised seller of poisons;

Part II of the said Schedule shall consist of those poisons which, subject to the provisions of this Part of this Act, are to be sold except by a person who is an authorised seller of poisons or by a person who is licensed by a local authority under section thirty of this Act to sell certain poisons to be used exclusively in agriculture or horticulture for the purposes mentioned in that subsection;

Part III of the said Schedule shall consist of those poisons which, subject to the provisions of this Part of this Act, may be sold by any person, whether he is an authorised seller of poisons or licensed by a local authority or not, if he complies with the provisions of paragraph (d) of subsection (1) of section twenty-seven of this Act and any regulations made under this Part of this Act.

(5) For the purposes of subsection (2) and (3) of this section, in determining the poisons to be placed in Part III of the Third Schedule to this Act regard shall be had to the desirability of restricting the sale of

articles which are in common use, or come into common use, for purposes than the treatment of human ailments in agriculture or horticulture, and it is reasonably necessary to include said Part III if the public are to have facilities for obtaining them.

In this Act the Third Schedule thereto, in place for the time being, is referred to as the Poisons Schedule."

Amendments made in this way must be approved by each House of Parliament.

It will be seen that there are three groups of statutory poisons, instead of two as in Great Britain, viz. substances which may be supplied only by "authorised sellers"; others which may be sold by "listed sellers"; and others again which may be sold by any trader, subject only to labelling provisions.

Copies of the Bill may be obtained from H.M. Stationery Office, Belfast, London, etc., price one shilling.

N.P.U. ORGANISER AT MANCHESTER

A DISTRICT meeting of members of the National Pharmaceutical Union was held at Manchester on March 7, when Mr. R. H. Kemp, (organising secretary) was the speaker. Mr. H. Steinman (a member of the executive) presided. MR. KEMP traced the development of the N.P.U. and appealed for support for the scheme to set up a register for the maintenance in private ownership of retail chemists' businesses.

Discussion on Guarantee Fund

Questions and discussion that followed were mainly connected with the Guarantee Fund. A member asked if there was any plan to prevent multiple firms opening pharmacies where they wished. MR. KEMP said that there was the local price regulation committee, without a licence of which no new business could be opened. When an application was made for a licence for the opening of a new pharmacy a thorough investigation would be made and the local committee consulted. If the district was already supplied adequately with pharmacies, no licence would be granted. Asked what arrangements would be made for the repayment of the loan, MR. KEMP said repayments by the borrower would be regulated according to the amount of the loan and the turnover of the business. The purchaser would be entitled to a reasonable remuneration for conducting the business. Repayment would be assessed at so much per annum in proportion to the net profit made. If there was more than one applicant for a licence the case would be considered on merits. Preference would probably be given to the man with the appropriate experience. Thus, if a seaside business was for sale, and if one applicant had had experience at Southport or Scarborough, the other had worked in a city or industrial area only, the applicant with specialised experience of a seaside pharmacy would most likely be chosen.

Questions and Answers

How would the N.P.U. know of the pharmacies available for sale? The N.P.U. would hear of these through a business transfer agency. The N.P.U. would keep a register of pharmacies for sale, and a list of purchasers seeking businesses. In this way, suitable introductions could be effected.

Would the N.P.U. exert pressure on the seller, so that the purchaser would be able to secure the pharmacy on the lowest possible terms? The endeavour would be to obtain for the seller the fairest possible price, one satisfactory to both vendor and purchaser. For the seller, everything would be taken into consideration. There would be a recognised standard for goodwill.

Would purchasers have to find part of the purchase money? Purchasers of businesses would have to find not less than 25 per cent. of the value of the business. This would have to be their own money, not money borrowed elsewhere. The business would be the security for the loan.

If, in the extension of the health services, pharmacists were under obligation to provide a 24-hour service, would the Fund be available for the opening of central, all-night and holiday-service pharmacies? It might be questioned whether this was desirable. Was it not a declaration of weakness in the pharmaceutical service? In town and suburban areas, rota schemes could be arranged if necessary, and ought to work satisfactorily. Where such co-operation was not possible, in a district where there was only one pharmacy, the telephone number and private address of the chemist placed on the shop door after closing hours, and an intimation that urgent medicines could be dispensed if he was communicated with, would in most cases be sufficient.

MR. H. G. PILLING proposed a vote of thanks, which was seconded by MR. THOMAS and carried with acclamation.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

28 Essex Street, W.C.2, March 14

EXCEPTIONALLY quiet conditions have again prevailed in the London drug markets. Apart from what may be described as "general routine business," little of interest has occurred, and price alterations have been few. Makers of PHARMACEUTICAL CHEMICALS report a fair amount of business at a steady price level.

Crude Drugs

Although business in the CRUDE DRUGS markets has not been active, the usual small routine trade continues. Substantial turnover could be achieved in quite a number of instances, if sufficient stocks were available to meet requirements. Limited supplies of Curaçao ALOES may be obtained on spot, but the Cape variety is not available. As noted last week, CANADA BALSAM is dearer. BENZOIN continues in request, but the market is unable to supply. Some Brazilian MENTHOL may now be had on spot. Among the SEEDS, FENNEL is higher and FENUGREEK easier. A few price changes are noted in WAXES.

Licences for Ispaghula Seed

The Directorate of Medical Supplies has announced its intention to recommend import licences for limited quantities of ISPAGHULA SEED during the period ending March 31, 1946. The botanical drug importers' section of the London Chamber of Commerce has been asked to arrange with the importers concerned for its importation. For this purpose it invites communications not later than March 23 from firms which, during the years 1936-41 inclusive, imported the drug (by "imported" is meant arranged shipment and paid the overseas supplier). On receipt of the information, the section will send qualified importers the necessary form of declaration, on which a return of importations should be made, and which will form the basis of the section's recommendations to the Directorate.

The only important change in the ESSENTIAL OILS markets is a substantial advance in the price of English-distilled NUTMEG, in consequence of the increased cost of the raw material. Among the SYNTHETICS and ISOLATES, only one alteration is noted—an easier price for CITRAL.

Pharmaceutical Chemicals

ALLOBARBITONE.—Quoted at 60s. per lb.

AMPHETAMINE.—Makers' quotations remain at 150s. per lb.

ATROPINE.—A schedule of revised prices given last week (p. 257).

BORIC ACID.—B.P. quality is quoted by makers as follows: Granulated, £70 per ton crystal, £71; powder, £72. Packed in one-cwt. bags, delivered carriage paid in Great Britain one-ton lots and upward. Commercial grade £8 per ton less.

CAFFEINE.—Quantities of 7-lb.-28-lb. quoted per lb. as follows (supplies subject D.M.S. approval): ALKALOID, B.P., 34s.; CRATE, 23s.; SODIUM BENZOATE, 23s.; SODIUM SALICYLATE, 23s. 9d. Tins extra when supplied.

DEXTROSE.—Current prices per lb., in 100-lb. cwt., are as follows (containers brackets): 1s. 2½d. (1-lb.); 1s. 1½d. (2-lb.); 1s. 0¾d. (4-lb.); 11¾d. (7-lb.); 11¼d. (14-lb.); 10¾d. (28-lb.).

LACTATES.—Prices are as follows: LACTIC ACID.—Six-winchester lots, 3s. per lb.; small quantities, 3s. 1d. CALCIUM LACTATE.—Small quantities, 2s. 5d. per lb. CALCIUM SODIUM LACTATE.—Powder, small lots, 3s. 7d. per lb.; 14-lb., 3s. 4d.; 28-lb., 3s. 2d.; granular, 3s. 1d. penny per lb. extra.

PHENOLPHTHALEIN.—Current rates are as follows: Less than 7 lb., 4s. 8d. per lb.; 7-14 lb., 4s. 7d.; 14 lb., 4s. 6d.; 28 lb., 4s. 5d.; 1 cwt. and over, 4s. 4d.

SANTONIN.—Home trade prices are as follows: 10 kilos and over, £62; not less than 5 kilos, £63; 2-4 kilos, £64; 1 kilo, £65; 500 gm., £66; 250 gm., £67; 100 gm., £68; less than 100 gm., £69 per kilo. Carriage paid in United Kingdom.

TERPINEOL.—Pure medicinal quality is available at from 3s. 3d. to 4s. per lb. for use in antiseptics of the chloroxyleneol type.

Crude Drugs

ALOES.—Limited supplies of Curaçao may be had at 320s. to 350s. per cwt. No Cape variety available.

BALSAMS.—As noted last week, Canada Balsam on spot at 11s. 6d. per lb.; Peru, at 7s. 9d. to 8s. per lb., duty paid.

BENZOIN.—In continued demand, but supplies are now exhausted.

BUCHU.—New crop is quoted at 5s. 3d. per lb., landed.

CARDAMOMS.—Current spot prices are as follows: Aleppy greens, 5s. 6d. per lb.; Aleppy seed, 6s. 6d.; split seed, 5s. 6d.

CASCARA SAGRADA.—In good request, but supplies are available.

LOVES.—There are spot sellers of Zanzibar at 5½d. per lb.

COCHINEAL.—Silvers for shipment, 5s. 3d. lb., c.i.f.

OLOCYNTH.—Fair white pulp may be obtained on spot at 2s. 10½d. per lb.

DIGITALIS LEAVES.—Portuguese, spot, 140s. cwt.; English, 2s. 6d. per lb.

ERGOT.—Remains in poor supply; any available good-quality material would be worth 6d. per lb.

MUM ACACIA.—Kordofan cleaned sorts, spot, 10s. per cwt.; bleached, spot, 175s.; Talha, med, 50s. per cwt., landed.

MENBANE.—Indian, 250s. per cwt.; some testing material may be had at 60s. per cwt.; Russian, 350s.; Egyptian (*muticus*), 75s.

KAMALA.—Material yielding 6 per cent. ash would be worth 2s. 6d. to 2s. 9d. per lb.

MENTHOL.—Brazilian is now offered on spot at 2s. 6d. per lb., duty paid.

MERCURY.—Official quotations range from 10s. to £69 15s. per flask, according to conditions and quality, with higher prices for smaller lots and re-distilled grades.

QUASSIA.—Spot, 37s. 6d. to 40s. per cwt., according to quantity.

GUILLAIA BARK.—Crushed or cut, spot, 100s. cwt.; natural, 80s.; shipment, 65s., c.i.f.

HUBARB.—Spot supplies are no longer available.

SEEDS.—Market has been quiet during the week, with values unchanged. Current rates are as follows: CORIANDER.—Practically no supplies available; price nominal at 65s. per cwt.

CUMIN.—Maltese, spot, 110s., buyers; Indian, 110s., buyers. DILL.—London, 85s.; Liverpool, 80s. FENNEL.—Higher at 100s., no business done and sellers. FENUGREEK.—London, 75s.; Liverpool, 67s. MUSTARD.—Current prices are unchanged.

LENNA.—Alexandrian medium pods are at 10s. per lb.; Tinnevely, manufacturing grade, at 6½d.; hand-picked, 8½d. to 1s.; broken Alexandrian leaves, 1s. 3d. to 1s. 4d.; siftings, 1s. 2d.; Tinnevely, No. 1, 9d. to 10½d.; No. 2, at 7½d.; No. 3, 5½d. to 6d.

QUILL.—Indian, dried and sliced, 40s. to 50s. per cwt., according to quantity. Portuguese, 80s. to 87s. 6d.

GRAMONUM LEAVES.—Indian leaves are obtained by dealers at 80s. per cwt. on spot.

TROPHANTHUS SEED.—Spot price of 100 per lb. Kombé seed is steady at 7s. to 7s. 6d. per lb. according to quantity.

FRAGACANTH.—Medium grades are quoted as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, pale leaf, £60; amber leaf, £50; dark leaf, £40; brown leaf, £30; red-and-brown leaf, £25; red leaf, from £20; hoggy, £12 to £15.

URMERIC.—Very little available at present.

ALERIAN ROOT.—Powdered Indian root may be obtained on spot at 120s. per cwt.

WAXES.—BEES.—Available in London at the following prices per cwt., delivered at store, U.K., effective October 16, 1944, for ton lots: Madagascar crude, 205s. to 230s.; other sorts of crude, 238s. to 245s. (Calcutta sorts unavailable); British refined, 275s. to 305s.; British bleached slabs, 300s.; British bleached discs, 320s.; lots of under one ton, at premiums as follows: 10–20 cwt., 2s. 6d. per cwt.; 5–10 cwt., 5s. per cwt.; 1–5 cwt., 10s. per cwt.; under 1 cwt., at premiums as arranged by Association members at their discretion. CARNAUBA.—Fatty grey, 535s. per cwt., ex store, in minimum one-bag lots; shipment, nominal; Primeira, 570s. per cwt., ex store; shipment, 460s., nominal, c.i.f.; medium yellow, 555s.; shipment, 445s., nominal, c.i.f.; chalky grey, 530s., nominal; shipment, 400s., c.i.f. (c.i.f. prices include ½ per cent. W.R.I.). CANDELILLA.—To arrive. Under 1 ton, 220s. per cwt.; 1–5 tons, 218s. 6d.; 5 tons and over, 217s. 6d., ex store. OURICURI.—Spot, 300s. to 330s. per cwt.; shipment, 280s., c.i.f.

Essential and Expressed Oils

CASTOR.—“Firsts” are officially quoted at £82 per ton, and “seconds” at £80, both naked ex works, in bulk lots.

CITRONELLA.—Ceylon, spot, about 20s. per lb.; Java, approximately 27s. 6d.

CLOVE.—English makers continue to quote at 12s. 6d. to 13s. per lb., according to quantity.

COTTONSEED.—Controlled prices for bulk supplies are as follows: Crude, £52 2s. 6d.; washed, £55 5s.; refined edible, £57; refined deodorised, £58 per ton; all varieties quoted naked ex works.

EUCALYPTUS.—Any available supplies of 70 to 75 per cent. would be worth approximately 8s. 6d. per lb.

NUTMEG.—As a result of the advance in nutmegs, English-distilled has hardened to about 45s. per lb.

Synthetics and Isolates.—Supplies of many of these products remain short and are not necessarily available because prices are quoted. In some cases all available stocks are required for essential purposes. AMYL ACETATE.—Technical, 109s. per cwt.; small quantities would be worth up to about 2s. per lb. AMYL SALICYLATE.—About 5s. per lb. BROMSTYROL.—100 per cent., about 30s. per lb. BUTYRIC ACID.—About 7s. per lb.; ETHYL BUTYRATE, 7s. per lb. CINNAMIC ALDEHYDE.—Quoted at around 9s. per lb. CITRAL.—Chemically pure, about 45s. per lb. CITRONELLAL and CITRONELLOL.—Both nominal at 60s. to 70s. per lb. COUMARIN.—Quoted at approximately 17s. 6d. per lb. ETHYL PHTHALATE is not quoted. EUCALYPTOL.—About 13s. per lb. EUGENOL.—Around 18s. 6d. per lb. GERANIOL.—About 80s. per lb., ex palmarosa oil. GERANYL ACETATE.—Approximately 85s. per lb. IONONE.—100 per cent., around 72s. 6d. per lb. ISOEUGENOL.—About 22s. per lb. RHODINOL.—From African geranium oil, about 150s. per lb.

CORRESPONDENCE

Blackpool Dispensing Agreement

SIR,—Replying to Xrayser in "Topical Reflections" (*C. & D.*, March, 10, p. 239), the minimum price for 6-oz. and 8-oz. mixtures was fixed, at the meeting at which this scheme was agreed upon, for several reasons. Primarily, the rules were drawn up to give a minimum charge for any script, and I had in mind a 1s. charge but, on discussion, the general feeling tended towards those finally decided upon, as few other sizes were ordered, locally by comparison with the 6's and 8's, and there was a definite objection to pricing these sizes with inexpensive drugs at a possible 1s.

A more satisfactory way would have been to fix them on 12- and 16-dose mixtures, but as the National Pharmaceutical Union list still persists in fees for bottle-size, despite the arguments against it at the N.P.U. conference last autumn, we thought, for convenience, that temporarily we had better keep as near to the list methods as possible. Another point that will require elucidation, and I have written to the N.P.U. concerning it, is the small difference between the fee for simple and compounded ointments and powders. The value of a dirty mortar or sieve and the extra time taken is only threepence, which is ridiculous, but the meeting decided to abide by the list until a reply had been received from the N.P.U. The eleventh rule in our agreement has also caused some comment, where we ask 100 per cent. for unlisted drugs, instead of 50 per cent. suggested by the N.P.U. But when rarity and length of time in stock are reckoned, plus the great chance of a "6d. all" charge from the drug house, and losses through leakage, 50 per cent. would not cover costs in the aggregate, if it were possible to assess profit and loss on these items. Higher overhead costs, demanding a larger charge, are covered in rule 6, where over- or under-charges must be marked with the code letter Z; so long as that rule is obeyed to the letter, no possible argument can arise. I have been very surprised at the lack of interest shown by the country so far, for no comment has been passed in the *C. & D.* or the "Journal" from either individuals or branches, though perhaps it is early for branches to have discussed the matter yet.

Yours faithfully,

Blackpool. P. VARLEY, *Secretary*,
Blackpool Branch of the
Pharmaceutical Society.

COMING EVENTS

Sunday, March 18

ISLE OF WIGHT BRANCH, PHARMACEUTICAL SOCIETY, Wheatsheaf Hotel, Newport
3 p.m. Annual meeting.

Tuesday, March 20

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1
7 p.m. Mr. W. K. Fitch (editor, "Pharmaceutical Journal") on "Pharmacists and the B.L.A."

Wednesday, March 21

MANAGING CHEMISTS' SECTION, NATIONAL OPERATIVE MANAGERS' ASSOCIATION, Central Halls, Bath Street, Glasgow, at Meeting.

TUNBRIDGE WELLS BRANCH, PHARMACEUTICAL SOCIETY, Congregational Church lecture (opposite Opera House), at 2.45 p.m.
G. R. Boyes on "Antiseptics and microbics."

Thursday, March 22

NATIONAL ASSOCIATION OF WOMEN PHARMACEUTISTS, 17 Bloomsbury Square, London, W.C.1
at 7 p.m. "Members' Night." Speakers: The Misses Coates, Fitch and Hinds.

Friday, March 23

NORTH BRITISH BRANCH, PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 36 York Place, Edinburgh, at 7 p.m. Fourth evening meeting. Mr. George H. Macmorran on "Review of the Seventh Addendum to British Pharmacopoeia, 1932"; Miss J. A. McEwan on "Note on Wool Alcohols ment"; Mr. David Ritchie on "Note on *Aconitum Ludlowi*"; and Mr. William on "Note on the Solubility of Mercuric Chloride in (a) Mineralised Methylated Spirit (b) Isopropyl Alcohol."

Sunday, March 25

MANCHESTER PHARMACEUTICAL ASSOCIATION, Ramble to Hathersage, Bretton Clough, Hope. Meet Central Station, 8.45 a.m. Book Hathersage return.

Literally Under the Hammer.—The manufacturers of a well-known toilet preparation are finding it possible to revert to a pre-war formula. Their representative called with this news on our local pharmacist (reports "M.") and asked him to purchase much of the substitute article he had in stock. On being told that it amounted to four dozen half-crown jars he said, "I'll hammer them," and in spite of protest from the shopkeeper took the lot into his backyard and smashed them, handing a credit note in exchange!—"Manchester Guardian."

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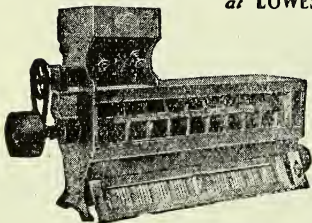
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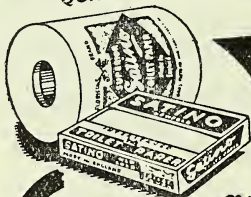
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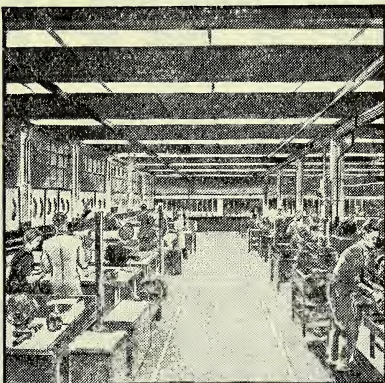
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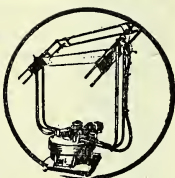
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**MARCH 17
1945**

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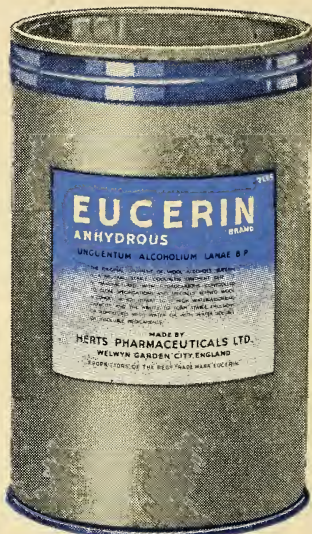
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